CIGNA HEALTHCARE CENTERS OF EXCELLENCE 2024–2025 METHODOLOGY

For Hospitals

May 2024

cigna healthcare

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Introduction

We evaluate hospitals' patient outcomes and cost-efficiency information through the Cigna Healthcare Centers of Excellence (COE) program. The Cigna Healthcare COE hospital profiles are available in the online provider directories located on Cigna.com and myCigna.com.

COE hospital profiles are available for most participating hospitals. They contain information for up to 18 inpatient surgical procedures and medical conditions, with 14 of them contributing to seven categories that combine related procedures.

Currently, the 2021 COE designations are displayed in our online provider directories at Cigna.com and myCigna.com. We are extending the time frame for these COE designations; therefore, they will remain in effect and their profiles will continue to display in our online directories at Cigna.com and myCigna.com through December 31, 2025.

Scoring. For each surgical procedure and medical condition we evaluate, hospitals can receive a score of up to three stars (*) for patient outcomes and up to three stars for cost-efficiency measures. Hospitals that attain at least five stars total – three stars for patient outcomes plus two stars for cost efficiency OR three stars for cost efficiency plus two stars for patient outcomes – receive the Cigna Healthcare COE designation for that procedure or condition.

Individual versus category-level assessments. We evaluate four surgical procedures individually, and 14 medical conditions by category (See Tables 1A and 1B). Note that we award COE status for the condition categories (back surgery, cancer conditions, cardiac catheterization and angioplasty, delivery, heart surgery, joint replacement, and pulmonology medical), and not for the individual medical conditions or surgical procedures that compose each category.

Hospitals evaluated for 2021. For the COE profiles, approximately 74 percent of participating hospitals (3,320 of 4,502), including those in third-party provider networks, met the defined volume criteria for evaluation of at least one surgical procedure or medical condition.

The COE program should not be the sole basis for decision-making because it reflects only a partial assessment of quality and cost efficiency for select acute-care hospitals. We encourage our customers to consider all relevant factors and speak with their treating physician when selecting a hospital. Additionally, we do not use assessments under this program as the sole basis for performance-based payments to contracted hospitals. However, COE assessments may be a component of an overall pay-for-performance-based payment methodology for some contracted hospitals.

The 18 surgical procedures and conditions evaluated for 2021

Table 1A shows the four surgical procedures we assessed individually and Table 1B shows the 14 medical conditions we assessed by category for the 2021 hospital profiles. We determine the procedures and medical condition categories by volume, variability of outcome, and consumer interest.

Table 1A

2021 Individual level assessments: Four surgical procedures	
1. Bariatric surgery	3. Gallbladder removal (laparoscopic)
2. Colon surgery	4. Hysterectomy

Table 1B

2021 Category level assessments: 14 surgical procedures and medical conditions

Back surgery[1]	**Cancer conditions**	**Cardiac catheterization and angioplasty**	**Delivery**
1. Disc surgery 2. Spinal fusion	1. Mastectomy 2. Prostatectomy (radical)	1. Cardiac catheterization 2. Angioplasty, with or without stent	1. Cesarean section 2. Vaginal delivery
Heart surgery	**Joint replacement**[1]	**Pulmonology medical**	
1. Coronary artery bypass graft (CABG) 2. Heart valve replacement	1. Hip 2. Knee	1. Chronic obstructive pulmonary disorder (COPD) 2. Pneumonia	

1. Joint replacement and back surgery will not be included in the COE program beginning January 1, 2025.

Patient outcomes data sources

For 2021, we assessed the quality of care of the treatment provided for the 18 surgical procedures and medical conditions shown in Tables 1A and 1B using measures of patient outcomes derived from publicly available, hospital self-reported data and claims data. The dataset was sourced from the Centers for Medicare & Medicaid Services (CMS) and Clarify Health Solutions' (Clarify) proprietary commercial dataset (U.S. commercial, Medicare Advantage, and managed Medicaid) representing 40 million and 120 million+ annual lives, respectively, across all 50 states and the District of Columbia. We used the reporting period of January 1, 2017, through December 31, 2018, for the 2021 COE designations.

To help ensure hospital data is stable and mitigate the variation in a hospital's rankings from year-to-year, we established a "stable volume threshold," which requires that:

- Hospital admission volume for each surgical procedure or medical condition meets a minimum of 100 incidences for evaluation during the measurement period.
- Bariatric surgery meets a minimum of 50 admissions.
- Hospital admission volume for category-level evaluation meets a minimum of 50 admissions for each condition within the category during the measurement period.

Cigna Healthcare Hospital Quality Index criteria

This is a composite index that we use to rank hospital performance for quality for each of the COE-eligible medical conditions and surgical procedures.

We develop nine component indices that measure a dimension of hospital quality performance primarily based on the nationally recognized measures listed below.

1. CMS hospital-wide readmission rate
2. CMS readmission rate for pneumonia
3. CMS healthcare-associated infections (HAI) measure
4. CMS early elective delivery measure
5. Agency for Healthcare Research and Quality (AHRQ) Patient Safety Indicator (PSI) complications rate
6. AHRQ Inpatient Quality Indicators (IQI) mortality rate
7. AHRQ IQI primary cesarean section delivery rate
8. Hospital Consumer Assessment of Healthcare Providers and Systems (HCAHPS) Star Rating
9. Leapfrog Hospital Safety Score

We then use three to six of the nine indices that are clinically applicable to determine the overall Cigna Healthcare Hospital Quality Index (HQI) score of each specific condition or procedure assessed (see Appendix 2). The nine component indices for the Cigna Healthcare HQI are described next in greater detail.

Each quality metric is risk adjusted by comparing the sample observed score to the Clarify expected score. This is computed from the Clarify clearinghouse of commercial and government paid claims data, as well as from proprietary calculation models. In rare instances where Clarify models do not converge, a national average becomes the comparator to the sample observed score. After risk-adjustment, scores for complications, HAI, and mortality rates are combined in a weighted average manner. Resulting scores in each data set are combined using a volume weighted average and are then split to create two peer groups for teaching hospitals versus non-teaching hospitals.

We winsorized resulting values at the 2.5 and 97.5 percentiles to account for outliers and normalize the data. Finally, indices are transformed to values between 0.5 and 1.5, using a min/max transformation.

The nine component indices for the Cigna Healthcare HQI are described in greater detail, starting below.

Hospital-wide readmission index

We build this index using the CMS hospital-wide readmission measures from the CMS Hospital Compare data. It tracks the hospital-wide rate of readmission after a patient's discharge from the hospital. We use it as a component to build the overall Cigna Healthcare HQI for evaluating hospital performance.

Readmission rate index for pneumonia

We build this index using the CMS Hospital Compare readmission rate data for the pneumonia medical condition. We use it as a component to build the overall Cigna Healthcare HQI for evaluating hospital performance for that condition.

We only use the readmission rate index for pneumonia in the pulmonology medical condition category as a reasonable approximation. A CMS readmission rate for COPD is not available.

Healthcare-Associated Infections index

We build this index using the six CMS HAI measures from the CMS Hospital Compare database. It shows how often patients in a particular hospital contract certain infections during the course of their treatment when compared to like hospitals.

We use the HAI measures listed below to calculate the index.

- Central line-associated blood stream infections (CLABSI)
- Catheter-associated urinary tract infections (CAUTI)
- Methicillin-resistant staphylococcus aureus (MRSA) bloodstream infections (laboratory-identified events)
- Clostridium difficile (C.diff.) intestinal infections (laboratory-identified events)
- Surgical site infection after colon surgery (SSI: Colon)
- Surgical site infection after hysterectomy (SSI: Hysterectomy)

We divide the sum of the numerators (observed count) by the sum of the denominators (predicted count) for all of the measures.

Early elective delivery index

We build this index using the Process of Care measure (PC-01) from the CMS Hospital Compare database. It shows the percentage of newborns whose deliveries were scheduled before 39 weeks gestation when a scheduled delivery was not medically necessary.

We only use this index in the quality evaluation for the delivery condition category that includes vaginal delivery and cesarean section. Risk adjustment is NOT applied because this measure is clinically specific to an uncomplicated pregnancy and delivery.

Complications index

We use this index to help assess if a hospital has a pattern of complications for patients who had one of the COE program's assessed surgical procedures or medical conditions. We build it using the AHRQ PSI specifications. The index contributes to the Cigna Healthcare HQI for a given hospital for a surgical procedure or medical condition, along with other quality indices, with each index receiving a designated weight.

We follow the steps listed below to build the complications index.

1. Identify each patient during the data period who underwent an assessed COE program surgical procedure or received treatment for an assessed COE program medical condition at Hospital A. Identify the patient population using the specific Medicare Severity Diagnosis Related Group (MS-DRG) and International Classification of Diseases, 10th Revision (ICD-10) procedure code logic that was developed by Clarify (see Appendix 1).
2. For each procedure or condition-specific population of patients, determine if each patient in that population was at risk for one or more of the 18 medical or surgical complications as defined by the AHRQ PSIs. If at risk, determine if the patient experienced that complication. We use the relevant PSI denominator specifications to determine the at-risk status for the complication and the relevant PSI numerator specifications to determine if the complication occurred. See Table 2 below to view the specific complications we evaluate.

Table 2: AHRQ PSIs used to calculate the complications index

PSI	Name	Category	Type
PSI 3	Pressure decubitus ulcer	PSI	Complications
PSI 6	Iatrogenic pneumothorax	PSI	Complications
PSI 7	Central venous catheter-related blood stream infection	PSI	Complications
PSI 8	Post-operative hip fracture	PSI	Complications
PSI 9	Postoperative hemorrhage/hematoma	PSI	Complications
PSI 10	Postoperative physiologic and metabolic derangements	PSI	Complications
PSI 11	Postoperative respiratory failure	PSI	Complications
PSI 12	Perioperative pulmonary embolism or deep vein thrombosis	PSI	Complications
PSI 13	Postoperative sepsis	PSI	Complications
PSI 14	Postoperative wound dehiscence	PSI	Complications
PSI 15	Accidental puncture or laceration rate	PSI	Complications
Cigna Healthcare	Having one or more PSIs (3, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15)	Clarify-created composite of AHRQ and Clarify QI	Cigna Healthcare complications
PSI 17	Birth trauma – injury to neonate	PSI	OB
PSI 18	Obstetric trauma rate – vaginal delivery with instrument	PSI	OB
PSI 19	Obstetric trauma rate – vaginal delivery without instrument	PSI	OB
Cigna Healthcare	Having one or more PSIs (17, 18, 19)	Clarify-created composite of AHRQ QI	Cigna Healthcare OB complications

You can find detailed specifications for all AHRQ PSIs on the AHRQ website at QualityIndicators.AHRQ.gov/measures/PSI_resources.

1. If the patient was at risk for one or more specific complications as defined by the above PSIs, assign a value of 1. If the patient was not at risk for one or more specific complications as defined by the above PSIs, assign a value of 0. The resulting number (1 or 0) accumulates in the denominator. Repeat this process for all patients in the identified population.
2. If the patient was at risk and experienced one or more complications as defined by the above PSIs, assign a value of 1. If the patient did not experience one or more complications as defined by the above PSIs, assign a value of 0. The resulting number (1 or 0) accumulates in the numerator. Repeat this process for all patients in the identified population.

We use the complications index value for each hospital as one component of the overall Cigna Healthcare HQI to which we apply a weight using the quality index-weighting grid (see Appendix 2).

Mortality index

We utilize the AHRQ software to build a mortality index based on the AHRQ IQI for each hospital we evaluate for COE status for the following:

- Heart surgery.
- Heart valve replacement.
- Pneumonia.
- Pulmonology medical category (COPD and adult pneumonia).

Table 3: The specific AHRQ IQIs for mortality

IQI	Name	Category	Type
IQI 8	Mortality esophageal resection	IQI	Mortality
IQI 9	Mortality pancreatic resection	IQI	Mortality
IQI 11	Mortality abdominal aortic aneurysm (AAA)	IQI	Mortality
IQI 12	Mortality CABG	IQI	Mortality
IQI 15	Mortality acute myocardial infarction (AMI)	IQI	Mortality
IQI 16	Mortality congestive heart failure (CHF)	IQI	Mortality
IQI 17	Mortality acute stroke	IQI	Mortality
IQI 18	Mortality gastrointestinal (GI) hemorrhage	IQI	Mortality
IQI 19	Mortality hip fracture	IQI	Mortality
IQI 20	Mortality pneumonia	IQI	Mortality
IQI 30	Mortality percutaneous transluminal coronary angioplasty (PTCA)	IQI	Mortality
IQI 31	Mortality carotid endarterectomy	IQI	Mortality
IQI 32	Mortality AMI without transfer cases	IQI	Mortality
NQI[3] 2	Neonatal mortality rate	PQI[4]	Mortality
PSI 2	Death low-mortality DRG	PSI	Mortality
PSI 4	Mortality, treatable complications	PSI	Mortality
Cigna Healthcare	Having one or more IQI (8, 9, 11, 12, 15, 16, 17, 18, 19, 20, 30, 31, 32), NQI 2, PSI 2, PSI 4	Clarify-created composite of AHRQ QI	Cigna Healthcare mortality

3. Neonatal Quality Indicator.
4. Pediatric Quality Indicators.

We follow the steps listed below to build the mortality index.

1. Identify each patient during the data period who underwent an assessed COE program surgical procedure or received treatment for an assessed COE program medical condition at each hospital we evaluate. Identify the patient population using the specific MS-DRG and ICD-10 procedure code logic (see Appendix 1).

2. For each patient, determine if he or she was at risk of death and died as a result of the procedure or condition being assessed. The AHRQ software analyzes the ICD-10 and Current Procedural Terminology (CPT®) data for each patient, as well as the discharge disposition in the hospital's patient population for each relevant IQI.

3. Create a composite indicator for each patient. If the patient was at risk of death for one or more of the AHRQ IQIs, assign a value of 1 in the denominator of the composite indicator. Otherwise, assign a value of 0. If the patient was determined to be at risk of death for one or

more of the AHRQ IQIs and died, assign a value of 1 in the numerator for the composite indicator. Otherwise, assign a value of 0.

4. For all of the patients in the patient population who were hospitalized for the procedure or condition being assessed:
    - Add the numerators of the composite indicator, which represents the number of patients who died.
    - Add the denominators of the composite indicator, which represent the number of patients who were at risk for death.
5. Use the mortality index value for each hospital as one component of the overall Cigna Healthcare HQI. Apply a weight to it using the quality index-weighting grid (see Appendix 2).

Primary cesarean section delivery rate index

We build this index using AHRQ IQI #33, which measures the percentage of all primary cesarean section deliveries. We use the index to evaluate each assessed hospital's quality performance related to vaginal deliveries. It excludes deliveries with a diagnosis of abnormal presentation, preterm, fetal death, multiple gestation, or previous cesarean delivery from the denominator of the measure, as are cases in which any breech procedure code is present.

We build the index using a process that is similar to the one used to build the complications index, as well as other AHRQ PSI measures. The index receives a weight of 0.15, and contributes to the overall Cigna Healthcare HQI for the assessment of vaginal delivery hospital performance.

Hospital Consumer Assessment of Healthcare Providers and Systems (HCAHPS) summary star rating index

We build the HCAHPS summary star rating index using the HCAHPS Summary Star Rating from the CMS Hospital Compare database. This index represents the average of all of the star ratings that are:

- From each of the following seven HCAHPS composite measures: Communication with Nurses, Communication with Doctors, Responsiveness of Hospital Staff, Pain Management, Communication about Medicines, Discharge Information, and Care Transition.
- Assigned to Cleanliness of Hospital Environment and Quietness of Hospital Environment.
- Assigned to Overall Hospital Rating and Willingness to Recommend the Hospital.

We build the raw index using the HCAHPS Summary Star score for the hospital. This score can be a 1, 2, 3, 4, or 5, where a higher score is better. The score is inverted to create the index. Therefore, a lower index score is better (i.e., a HCAHPS score of 5 becomes a 1, 4 becomes a 2, 3 remains a 3, 2 becomes a 4, and 1 becomes a 5). The inverted score is winsorized to handle outliers. Teaching and non-teaching hospitals are evaluated separately. Then, the resulting score is transformed to a value between 0.5 and 1.5 using a min-max transformation, which helps prevent skewing of the overall Cigna Healthcare HQI.

You can find more information about the HCAHPS Summary Star Rating by visiting Data.CMS.gov > Provider data catalog > Hospitals. In the "Type search term here…" field, enter Patient Survey (HCAHPS) – National > Click Patient survey (HCAHPS) – National.

Leapfrog Hospital Safety Grade index

We built this index using the Leapfrog Hospital Safety Grades published in the spring of 2020.

The Leapfrog Hospital Safety scorecard uses 30 measures (including both process and outcome measures) from its Leapfrog Hospital Survey, AHRQ, Centers for Disease Control and Prevention, CMS, and American Hospital Association to produce a single grade. This grade can be an A, B, C, D, or F. The converted score is winsorized to handle outliers. Teaching and non-teaching hospitals are evaluated separately. The resulting score is transformed to a value between 0.5 and 1.5 using a min-max transformation which helps prevent skewing of the overall Cigna Healthcare HQI.

Visit the Leapfrog Hospital Safety Grade website at HospitalSafetyGrade.org to compare scores for over 2,500 hospitals.

Patient outcomes: Cigna Healthcare Hospital Quality Index calculation and scoring

We calculate the overall Cigna Healthcare HQI composite score as described below.

Cigna Healthcare HQI = (Complications index x Complications weighting) + (Mortality index x Mortality weighting) + (CMS HAI index x CMS HAI weighting) + (CMS readmission rate for pneumonia index x CMS readmission weight index weighting) + (Hospital-wide readmission index x Hospital-wide readmission weighting) + (HCAHPS index x HCAHPS weighting) + (Primary cesarean section delivery rate index x Primary cesarean section delivery rate index weighting) + (Early elective delivery index x Early elective delivery weighting) + (Leapfrog index x Leapfrog weighting)

We then rank the hospital quality indices for all hospitals we evaluate in numerical order within a medical condition or category, and separate them into three performance categories according to the following distribution:

Bottom 25 percent	One quality star (*)
Middle 60 percent	Two quality stars (**)
Top 15 percent	Three quality stars (***)

Quality stars for patient outcomes display in the online provider directories on Cigna.com and myCigna.com. Because we evaluate hospital performance for each condition and procedure separately, we may award a given hospital one star (below average), two stars (average), or three stars (above average) for certain conditions and procedures.

To help ensure hospital data is stable, we establish a "stable volume threshold." This helps to mitigate the variation in a hospital's rankings from year to year and provides a volume baseline for use when comparing data in future years.

We also use volume as an indirect indicator of quality. There is evidence suggesting that "Hospitals performing more of certain intensive, high-technology, or highly complex procedures may have better outcomes for those procedures." (AHRQ IQI Guide, V 2.1, Rev 4, December 22, 2004.) Therefore, we may remove some hospitals from consideration that have questionable quality results due to low admission volumes, given this can lead to more variation in the outcomes of those admissions.

Bariatric center designations

We have two bariatric center designations – a 3 Star Quality designation and a COE designation.

3 Star Quality Bariatric Center program requirements

To achieve a 3-Star Quality designation, the bariatric treatment facility must:

- Have an active status as a participating bariatric treatment center.
- Be Metabolic and Bariatric Surgery Accreditation and Quality Improvement Program (MBSAQIP)—accredited in either Comprehensive or Comprehensive with Adolescent accreditation types.

Cigna Healthcare Bariatric COE designation requirements

To achieve the COE designation, the bariatric treatment facility must meet the 3 Star Quality Bariatric Center program requirements listed above, PLUS:

- Meet the minimum volume criteria for cost-efficiency evaluation in at least 50 inpatient bariatric procedures during the assessment period.
- Receive two or three stars for cost efficiency.

We identify 3-Star Quality and COE-designated bariatric treatment facilities in our online provider directories on Cigna.com and myCigna.com.

About the MBSAQIP

The MBSAQIP works to advance safe, high-quality care for bariatric surgical patients through the accreditation of bariatric surgical centers. A center can achieve accreditation by following a rigorous review process during which a center proves that it can maintain certain physical resources, human resources, and standards of practice. All accredited centers report their outcomes to the MBSAQIP. For more information on the MBSAQIP, visit the American College of Surgeons website at www.facs.org/quality-programs/mbsaqip.

Delivery center designations

We have two delivery center designations – a 3 Star Quality designation and a COE designation.

3 Star Quality Delivery Center program requirements

To achieve a 3-Star Quality designation, the delivery facility must:

- Have an active status with Cigna Healthcare as a participating delivery center.
- Have either the Joint Commission's new Advanced Certification in Perinatal Care (ACPC) or their Perinatal Care Certification (PNC).

Cigna Healthcare Delivery COE designation requirements

To achieve the COE designation, the delivery facility must meet the 3 Star Quality Delivery Center program requirements listed above, PLUS:

- Meet the minimum volume criteria for cost-efficiency evaluation in at least 100 inpatient deliveries during the assessment period.
- Receive two or three stars for cost efficiency.

We identify 3-Star Quality and COE-designated delivery facilities in our online provider directories on Cigna.com and myCigna.com.

About the ACPC

The ACPC is a new certification offered in collaboration with The Joint Commission and the American College of Obstetricians and Gynecologists (ACOG). It helps organizations address the growing need

for appropriate obstetric care given the challenges of increasing maternal morbidity and mortality in the United States.

The ACPC provides a framework to help organizations drive improvements in clinical outcomes. It requires organizations to utilize evidence-based literature to develop policies and procedures for the care the program provides across the perinatal continuum.

This new ACPC became available as of January 1, 2023; the current PNC will eventually be phased out.

About the PNC

The PNC is offered through The Joint Commission. Certification proves the program has met and exceeded strict standards of care for maternal, fetal, and newborn health. The PNC will be phased out by the end of 2024.

For more information on these programs visit The Joint Commission website (JointCommission.org) > What We Offer > Certification > Certifications by Setting > Hospital Certifications > Hospital Certifications: Perinatal Care > Advanced Certification in Perinatal Care.

Hospital cost-efficiency score calculation

The cost-efficiency score is a measure of a hospital's average cost for a particular procedure or condition that has been severity adjusted for national comparison. Physicians' fees and outpatient services are not included in this score.

We model the cost-efficiency score for each procedure or condition within each hospital. This enables us to compare the average condition or procedure costs for different hospitals with different payment mechanisms (such as per diem rate, case rate, or discount from charges) to one another. We are thereby able to compare the cost-efficiency performance of hospitals with different payment types in the same market.

The average cost reflects both the rates that a hospital charges, and the average time a customer spends in the hospital for a specific surgical procedure or medical condition. A variety of factors may affect the cost-efficiency score for a medical condition or surgical procedure, including geographic cost differences (e.g., major metropolitan areas typically have higher costs compared to rural areas) and the cost information used to calculate the national average cost.

For each hospital we evaluate, we perform two separate evaluations for COE to model the average inpatient cost for each COE procedure or condition. We used the hospital-specific:

1. Open Access Plus (OAP) contracted rates in effect as of January 1, 2020.
2. LocalPlus® contracted rates in effect as of January 1, 2020 (as applicable).

To assist us with this modeling, we use Scenario, a Cigna Healthcare software-modeling tool. It used rate calculations that included diagnosis-related group (DRG) exceptions, stop-loss limits, and applicable services where an employer group may have used a provider that did not participate in the Cigna Healthcare network (e.g., for infertility, vision, behavioral health, etc.).

Based on the specific hospital contract for each facility, Scenario calculates the modeled average cost for each condition or procedure within the facility by case rate, a per diem, or a discount from billed charges, depending on the type of rate applicable for a given hospital.

For case rates, the cost-efficiency score is equal to the case rate modeled through Scenario. There are no additional adjustments or calculations for case rates and no severity adjustments are applied.

Example 1

Scenario returns a CASE RATE of $15,000 for a knee replacement at hospital X. The cost-efficiency score is $15,000.

For a per diem, we calculate the adjusted length of stay as the ratio of the observed length of stay and the expected length of stay, multiplied by the average length of stay for that condition. (If the

observed or expected length of stay is not available, the adjusted length of stay is set as the average length of stay.) The expected length of stay is calculated by Clarify and accounts for demographics, clinical factors, and social-behavioral determinates of health. The adjusted length of stay is multiplied by the per diem rate, resulting in the cost-efficiency score.

Example 2

Scenario returns a PER DIEM RATE of $6,000 per day for a knee replacement at hospital Y. The national average length of stay for a knee replacement is three days. The observed length of stay for knee replacements at hospital Y is three days and the expected length of stay is four days. Therefore, the cost-efficiency score is $18,000 ($6,000 [per diem rate] x (3 [observed length of stay] ÷ 4 [expected length of stay]) x 4 [average length of stay].

For a discount arrangement, we use average charge data to calculate the cost-efficiency score. We adjust the charge rate by multiplying it by the patient acuity proxy (observed length of stay ÷ expected length of stay). The final cost-efficiency score is calculated by multiplying the adjusted charge rate by the discount rate (derived from Scenario).

Example 3

Scenario returns a DISCOUNT RATE of 30 percent for a knee replacement at hospital Z. The average charge amount for a knee replacement is $18,000. The observed length of stay at hospital Z for knee replacements is four days and the expected length of stay is three days. The cost-efficiency score is $16,800 ($18,000 [charge amount] x (4 [observed length of stay] ÷ 3 [expected length of stay]) x (0.7 [1 – the discount rate of 30 percent]).

We use the modeled average cost for a given hospital for a specific medical condition or procedure to assess hospital results in each geographic market as detailed in the following section. For the purpose of cost-efficiency comparisons, we do not analyze teaching and non-teaching hospitals separately. We display the modeled average hospital cost as a range for a given medical condition or procedure in the online hospital directory.

Hospital cost-efficiency score ranking

We rank the cost-efficiency scores (modeled average costs for a specific medical condition or procedure) in numerical order for all hospitals we evaluate in a geographic market. We then separate them into three performance categories according to the following distribution:

Bottom 33 percent	Highest average cost	One cost-efficiency star (*)
Middle 33 percent	Intermediate average cost	Two cost-efficiency stars (**)
Top 34 percent	Lowest average cost	Three cost-efficiency stars (***)

The distribution of condition or procedure average costs determines the number of cost-efficiency stars displayed online. Because we calculate a hospital's cost-efficiency score for each individual medical condition and surgical procedure we evaluate under the Cigna Healthcare COE program, it is possible (and quite common) for a given hospital to be awarded different numbers of cost-efficiency stars for different conditions and procedures.

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Market-level hospital comparisons

We perform COE cost-efficiency and quality outcome evaluations at the market level. To determine the cost and quality star ratings, we compare and rank the cost and quality measures for hospitals and conditions within each market (adjusted cost for efficiency and quality index for outcomes). If there are less than three hospitals that meet the minimum volume threshold within the market for a given condition, then the cost efficiency and quality outcomes comparisons and rankings are performed against all hospitals nationally that meet the minimum volume threshold for the condition.

No results shown

Hospital data may not display in the online provider directory for many reasons, including, but not limited to, the following:

- There is insufficient data available to meet the patient volume requirement for that procedure or condition.
- A surgical procedure is not performed or a condition is not treated at the hospital.
- A reconsideration of quality and/or cost data is underway.

Academic teaching and community hospitals

We calculate and adjust the quality index components on a national level using peer averages based on either teaching/academic or community hospital peer groups, as applicable, to develop the quality index for each condition or procedure. Once we create the quality index for each condition or procedure, we rank the hospitals within their market based on their quality index composite score for the condition or procedure.

Updating COE and hospital value tool data

We make every attempt to use the best available data and nationally recognized standards, and we acknowledge that patient outcomes and cost-efficiency standards continue to evolve. Accordingly, we encourage our customers not to use this information as the sole basis for decision-making, and to consult with their treating physician when selecting a hospital.

Currently, the 2021 COE designations are displayed in our online provider directories at Cigna.com and myCigna.com. We are extending the time frame for these COE designations. They will remain in effect and their profiles will continue to display in our online directories through December 2025.

Process for hospitals to request results

To obtain your hospital-specific results, please email your request to PhysicianEvaluationInformationRequest@Cigna.com or fax your request to **866.448.5506**. If you are not able to send an email or a fax, please call Cigna Healthcare Provider Service at **800.88Cigna (882.4462)** and request a return call from a Quality Clinical Manager (QCM).

Process for hospitals to correct errors or request reconsideration

Please contact us via email at PhysicianEvaluationInformationRequest@Cigna.com or by fax at **866.448.5506** if you would like to:

- Obtain your hospital-specific COE results.
- Request to review patient outcomes.
- Request to review cost-efficiency ratings.
- Request reconsideration of your results.
- Request correction of inaccuracies.
- Submit additional information for review and reconsideration.

Please include the following information with your request:

- Facility name.
- Taxpayer Identification Number (TIN).
- Name and telephone number of the person making the request.
- Reason for the request.
- Supporting documentation, if applicable.

A Cigna Healthcare Quality Clinical Manager will contact the requestor to respond to the request and to initiate the Selection Review Committee review process, as necessary. The National Selection Review process and final decision will be completed within 45 days of receipt of a reconsideration request and notification of the decision will be sent to the facility after the committee determination is made.

Process to provide feedback

We encourage Cigna Healthcare customers, employer groups, and network-participating physicians and hospitals to provide feedback and improvement suggestions. Customers should call the telephone number listed on the back of their Cigna Healthcare ID card. Participating physicians and hospitals may provide feedback by email to PhysicianEvaluationInformationRequest@Cigna.com or by fax to **866.448.5506**.

Removal of Centers of Excellence designation

Cigna Healthcare reserves the right to remove a facility's COE designation for any procedure or condition if the facility no longer meets our specific criteria for designation or for reasons that include, but are not limited to:

- Fraud
- Federal or state sanctions
- Complaints about quality or service
- Failure to meet the quality standards or metrics

APPENDICES

Appendix 1: Condition and procedure population specifications

#	Condition or category	MDC #	DX #	Med surg	CMS index used	MS-DRGs				ICD-10 diagnosis codes
1	**Cancer conditions**	9,12	995	Surg	CMS HAI index Hosp_Wide Readmit HCAHPS	579, 580, 581, 582, 583			and	C50011, C50012, C50019, C50111, C50112, C50119, C50211, C50212, C50219, C50311, C50312, C50319, C50411, C50412, C50419, C50511, C50512, C50519, C50611, C50612, C50619, C50811, C50812, C50819, C50911, C50912, C50919, C792, C7981, D0500, D0501, D0502, D0510, D0511, D0512, D0580, D0581, D0582, D0590, D0591, D0592, D4860, D4861, D4862
						or				
						665, 666, 667, 707, 708	and	0VT00ZZ, 0VT04ZZ, 0VT07ZZ, 0VT08ZZ		
2	**Mastectomy, total/simple**	9	155	Surg	CMS HAI index Hosp_Wide Readmit HCAHPS	579, 580, 581, 582, 583	and			C50011, C50012, C50019, C50111, C50112, C50119, C50211, C50212, C50219, C50311, C50312, C50319, C50411, C50412, C50419, C50511, C50512, C50519, C50611, C50612, C50619, C50811, C50812, C50819, C50911, C50912, C50919, C792, C7981, D0500, D0501, D0502, D0510, D0511, D0512, D0580, D0581, D0582, D0590, D0591, D0592, D4860, D4861, D4862
3	**Prostatectomy radical**	12	126	Surg	CMS HAI index Hosp_Wide Readmit HCAHPS	665, 666, 667, 707, 708	and	0VT00ZZ, 0VT04ZZ, 0VT07ZZ, 0VT08ZZ		

#	Condition or category	MDC #	DX #	Med surg	CMS index used	MS-DRGs		ICD-10 procedure codes		ICD-10 diagnosis codes
4	**Cardiac catheterization and angioplasty**	5	993	Med Surg	CMS HAI index Hosp_Wide Readmit HCAHPS	246, 247, 248, 249, 250, 251,	**and**	0270346, 027034Z, 0270356, 027035Z, 0270366, 027036Z, 0270376, 027037Z, 02703D6, 02703DZ, 02703E6, 02703EZ, 02703F6, 02703FZ, 02703G6, 02703GZ, 02703T6, 02703TZ, 0270446, 027044Z, 0270456, 027045Z, 0270466, 027046Z, 0270476, 027047Z, 02704D6, 02704DZ, 02704E6, 02704EZ, 02704F6, 02704FZ, 02704G6, 02704GZ, 02704T6, 02704TZ, 0271346, 027134Z, 0271356, 027135Z, 0271366, 027136Z, 0271376, 027137Z, 02713D6, 02713DZ, 02713E6, 02713EZ, 02713F6, 02713FZ, 02713G6, 02713GZ, 02713T6, 02713TZ, 0271446, 027144Z, 0271456, 027145Z, 0271466, 027146Z, 0271476, 027147Z, 02714D6, 02714DZ, 02714E6, 02714EZ, 02714F6, 02714FZ, 02714G6, 02714GZ, 02714T6, 02714TZ, 0272346, 027234Z, 0272356, 027235Z, 0272366, 027236Z, 0272376, 027237Z, 02723D6, 02723DZ, 02723E6, 02723EZ, 02723F6, 02723FZ, 02723G6, 02723GZ, 02723T6, 02723TZ, 0272446, 027244Z, 0272456, 027245Z, 0272466, 027246Z, 0272476, 027247Z, 02724D6, 02724DZ, 02724E6, 02724EZ, 02724F6, 02724FZ, 02724G6, 02724GZ, 02724T6, 02724TZ, 0273346, 027334Z, 0273356, 027335Z, 0273366, 027336Z, 0273376, 027337Z, 02733D6, 02733DZ, 02733E6, 02733EZ, 02733F6, 02733FZ, 02733G6, 02733GZ, 02733T6, 02733TZ, 0273446, 027344Z, 0273456, 027345Z, 0273466, 027346Z, 0273476, 027347Z, 02734D6, 02734DZ, 02734E6, 02734EZ, 02734F6, 02734FZ, 02734G6, 02734GZ, 02734T6, 02734TZ, 02C03Z6, 02C03ZZ, 02C04Z6, 02C04ZZ, 02C13Z6, 2C13ZZ, 02C14Z6, 02C14ZZ, 02C23Z6, 02C23ZZ, 2C24Z6, 02C24ZZ, 02C33Z6, 02C33ZZ, 02C34Z6, 2C34ZZ, 02H03DZ, 02H03YZ, 02H13DZ, 02H13YZ, 02H23DZ, 02H23YZ, 02H33DZ, 02H33YZ, X2C0361, X2C1361, X2C2361, X2C3361, 02703Z6, 02703ZZ, 02704Z6, 02704ZZ, 02713Z6, 02713ZZ, 02714Z6, 02714ZZ, 02723Z6, 02723ZZ, 02724Z6, 02724ZZ, 02733Z6, 02733ZZ, 02734Z6, 02734ZZ, 02U037Z, 02U038Z, 02U03JZ, 02U03KZ, 02U137Z, 02U138Z, 02U13JZ, 02U13KZ, 02U237Z, 02U238Z, 02HA3YZ, 02UA37Z, 02UA38Z, 02UA3JZ, 02UA3KZ		
						or				
						286, 287				

#	Condition or category	MDC #	DX #	Med surg	CMS index used	MS-DRGs		ICD-10 procedure codes		ICD-10 diagnosis codes
5	**Angioplasty, with and without stent**	5	8	Surg	CMS HAI index Hosp_Wide Readmit HCAHPS	246, 247, 248, 249, 250, 251	**and**	0270346, 027034Z, 0270356, 027035Z, 0270366, 027036Z, 0270376, 027037Z, 02703D6, 02703DZ, 02703E6, 02703EZ, 02703F6, 02703FZ, 02703G6, 02703GZ, 02703T6, 02703TZ, 0270446, 027044Z, 0270456, 027045Z, 0270466, 027046Z, 0270476, 027047Z, 02704D6, 02704DZ, 02704E6, 02704EZ, 02704F6, 02704FZ, 02704G6, 02704GZ, 02704T6, 02704TZ, 0271346, 027134Z, 0271356, 027135Z, 0271366, 027136Z, 0271376, 027137Z, 02713D6, 02713DZ, 02713E6, 02713EZ, 02713F6, 02713FZ, 02713G6, 02713GZ, 02713T6, 02713TZ, 0271446, 027144Z, 0271456, 027145Z, 0271466, 027146Z, 0271476, 027147Z, 02714D6, 02714DZ, 02714E6, 02714EZ, 02714F6, 02714FZ, 02714G6, 02714GZ, 02714T6, 02714TZ, 0272346, 027234Z, 0272356, 027235Z, 0272366, 027236Z, 0272376, 027237Z, 02723D6, 02723DZ, 02723E6, 02723EZ, 02723F6, 02723FZ, 02723G6, 02723GZ, 02723T6, 02723TZ, 0272446, 027244Z, 0272456, 027245Z, 0272466, 027246Z, 0272476, 027247Z, 02724D6, 02724DZ, 02724E6, 02724EZ, 02724F6, 02724FZ, 02724G6, 02724GZ, 02724T6, 02724TZ, 0273346, 027334Z, 0273356, 027335Z, 0273366, 027336Z, 0273376, 027337Z, 02733D6, 02733DZ, 02733E6, 02733EZ, 02733F6, 02733FZ, 02733G6, 02733GZ, 02733T6, 02733TZ, 0273446, 027344Z, 0273456, 027345Z, 0273466, 027346Z, 0273476, 027347Z, 02734D6, 02734DZ, 02734E6, 02734EZ, 02734F6, 02734FZ, 02734G6, 02734GZ, 02734T6, 02734TZ, 02C03Z6, 02C03ZZ, 02C04Z6, 02C04ZZ, 02C13Z6, 02C13ZZ, 02C14Z6, 02C14ZZ, 02C23Z6, 02C23ZZ, 02C24Z6, 02C24ZZ, 02C33Z6, 02C33ZZ, 02C34Z6, 02C34ZZ, 02H03DZ, 02H03YZ, 02H13DZ, 02H13YZ, 02H23DZ, 02H23YZ, 02H33DZ, 02H33YZ, X2C0361, X2C1361, X2C2361, X2C3361, 02703Z6, 02703ZZ, 02704Z6, 02704ZZ, 02713Z6, 02713ZZ, 02714Z6, 02714ZZ, 02723Z6, 02723ZZ, 02724Z6, 02724ZZ, 02733Z6, 02733ZZ, 02734Z6, 02734ZZ, 02U037Z, 02U038Z, 02U03JZ, 02U03KZ, 02U137Z, 02U138Z, 02U13JZ, 02U13KZ, 02U237Z, 02U238Z, 02HA3YZ, 02UA37Z, 02UA38Z, 02UA3JZ, 02UA3KZ		
6	**Cardiac catheterization**	5	23	Med	HCAHPS	286, 287				
7	**Deliveries**	14	996	Surg	CMS HAI Early Elective Delivery index HCAHPS	765, 766, 767, 768, 774, 775, 783, 784, 785, 786, 787, 788, 796, 797, 798, 805, 806, 807				
8	**Cesarean section**	14	29	Surg	CMS HAI Early Elective Delivery index HCAHPS	765, 766, 783, 784, 785, 786, 787, 788				

#	Condition or category	MDC #	DX #	Med surg	CMS index used	MS-DRGs		ICD-10 procedure codes		ICD-10 diagnosis codes
9	**Vaginal delivery**	14	166	Med	Early Elective Delivery index HCAHPS	767, 768, 774, 775, 796, 797, 798, 805, 806, 807				
10	**Heart surgery**	5	997	Surg	CMS HAI index Hosp_Wide Readmit HCAHPS	231, 232, 233, 234, 235, 236				
						or				
						216, 217, 218, 219, 220, 221, 266, 267	**and**	02RF07Z, 02RF08Z, 02RF0JZ, 02RF0KZ, 02RF47Z, 02RF48Z, 02RF4JZ, 02RF4KZ, 02RG07Z, 02RG08Z, 02RG0JZ, 02RG0KZ, 02RG47Z, 02RG48Z, 02RG4JZ, 02RG4KZ, 02RH07Z, 02RH08Z, 02RH0JZ, 02RH0KZ, 02RH47Z, 02RH48Z, 02RH4JZ, 02RH4KZ, 02RJ07Z, 02RJ08Z, 02RJ0JZ, 02RJ0KZ, 02RJ47Z, 02RJ48Z, 02RJ4JZ, 02RJ4KZ, X2RF032, X2RF432, 02RF37H, 02RF37Z, 02RF38H, 02RF38Z, 02RF3JH, 02RF3JZ, 02RF3KH, 02RF3KZ, 02RG37H, 02RG37Z, 02RG38H, 02RG38Z, 02RG3JH, 02RG3JZ, 02RG3KH, 02RG3KZ, 02RH37H, 02RH37Z, 02RH38H, 02RH38Z, 02RH3JH, 02RH3JZ, 02RH3KH, 02RH3KZ, 02RJ37H, 02RJ37Z, 02RJ38H, 02RJ38Z, 02RJ3JH, 02RJ3JZ, 02RJ3KH, 02RJ3KZ, 02UF37J, 02UF37Z, 02UF38J, 02UF38Z, 02UF3JJ, 02UF3JZ, 02UF3KJ, 02UF3KZ, 02UG37E, 02UG37Z, 02UG38E, 02UG38Z, 02UG3JE, 02UG3JZ, 02UG3KE, 02UG3KZ, 02UH37Z, 02UH38Z, 02UH3JZ, 02UH3KZ, 02UJ37G, 02UJ37Z, 02UJ38G, 02UJ38Z, 02UJ3JG, 02UJ3JZ, 02UJ3KG, 02UJ3KZ, X2RF332, 02QF0ZJ, 02QF0ZZ, 02QF4ZJ, 02QF4ZZ, 02QG0ZE, 02QG0ZZ, 02QG4ZE, 02QG4ZZ, 02QH0ZZ, 02QH4ZZ, 02QJ0ZG, 02QJ0ZZ, 02QJ4ZG, 02QJ4ZZ, 02UF07J, 02UF07Z, 02UF08J, 02UF08Z, 02UF0JJ, 02UF0JZ, 02UF0KJ, 02UF0KZ, 02UF47J, 02UF47Z, 02UF48J, 02UF48Z, 02UF4JJ, 02UF4JZ, 02UF4KJ, 02UF4KZ, 02UG07E, 02UG07Z, 02UG08E, 02UG08Z, 02UG0JE, 02UG0JZ, 02UG0KE, 02UG0KZ, 02UG47E, 02UG47Z, 02UG48E, 02UG48Z, 02UG4JE, 02UG4JZ, 02UG4KE, 02UG4KZ, 02UH07Z, 02UH08Z, 02UH0JZ, 02UH0KZ, 02UH47Z, 02UH48Z, 02UH4JZ, 02UH4KZ, 02UJ07G, 02UJ07Z, 02UJ08G, 02UJ08Z, 02UJ0JG, 02UJ0JZ, 02UJ0KG, 02UJ0KZ, 02UJ47G, 02UJ47Z, 02UJ48G, 02UJ48Z, 02UJ4JG, 02UJ4JZ, 02UJ4KG, 02UJ4KZ, 02WF37Z, 02QF3ZZ		
11	**Coronary artery bypass surgery**	5	40	Surg	CMS HAI index Hosp_Wide Readmit HCAHPS	231, 232, 233, 234, 235, 236				

#	Condition or category	MDC #	DX #	Med surg	CMS index used	MS-DRGs		ICD-10 procedure codes		ICD-10 diagnosis codes
12	**Heart valve replacement**	5	79	Surg	CMS HAI index Hosp_Wide Readmit HCAHPS	216, 217, 218, 219, 220, 221, 266, 267	**and**	02RF07Z, 02RF08Z, 02RF0JZ, 02RF0KZ, 02RF47Z, 02RF48Z, 02RF4JZ, 02RF4KZ, 02RG07Z, 02RG08Z, 02RG0JZ, 02RG0KZ, 02RG47Z, 02RG48Z, 02RG4JZ, 02RG4KZ, 02RH07Z, 02RH08Z, 02RH0JZ, 02RH0KZ, 02RH47Z, 02RH48Z, 02RH4JZ, 02RH4KZ, 02RJ07Z, 02RJ08Z, 02RJ0JZ, 02RJ0KZ, 02RJ47Z, 02RJ48Z, 02RJ4JZ, 02RJ4KZ, X2RF032, X2RF432, 02RF37H, 02RF37Z, 02RF38H, 02RF38Z, 02RF3JH, 02RF3JZ, 02RF3KH, 02RF3KZ, 02RG37H, 02RG37Z, 02RG38H, 02RG38Z, 02RG3JH, 02RG3JZ, 02RG3KH, 02RG3KZ, 02RH37H, 02RH37Z, 02RH38H, 02RH38Z, 02RH3JH, 02RH3JZ, 02RH3KH, 02RH3KZ, 02RJ37H, 02RJ37Z, 02RJ38H, 02RJ38Z, 02RJ3JH, 02RJ3JZ, 02RJ3KH, 02RJ3KZ, 02UF37J, 02UF37Z, 02UF38J, 02UF38Z, 02UF3JJ, 02UF3JZ, 02UF3KJ, 02UF3KZ, 02UG37E, 02UG37Z, 02UG38E, 02UG38Z, 02UG3JE, 02UG3JZ, 02UG3KE, 02UG3KZ, 02UH37Z, 02UH38Z, 02UH3JZ, 02UH3KZ, 02UJ37G, 02UJ37Z, 02UJ38G, 02UJ38Z, 02UJ3JG, 02UJ3JZ, 02UJ3KG, 02UJ3KZ, X2RF332, 02QF0ZJ, 02QF0ZZ, 02QF4ZJ, 02QF4ZZ, 02QG0ZE, 02QG0ZZ, 02QG4ZE, 02QG4ZZ, 02QH0ZZ, 02QH4ZZ, 02QJ0ZG, 02QJ0ZZ, 02QJ4ZG, 02QJ4ZZ, 02UF07J, 02UF07Z, 02UF08J, 02UF08Z, 02UF0JJ, 02UF0JZ, 02UF0KJ, 02UF0KZ, 02UF47J, 02UF47Z, 02UF48J, 02UF48Z, 02UF4JJ, 02UF4JZ, 02UF4KJ, 02UF4KZ, 02UG07E, 02UG07Z, 02UG08E, 02UG08Z, 02UG0JE, 02UG0JZ, 02UG0KE, 02UG0KZ, 02UG47E, 02UG47Z, 02UG48E, 02UG48Z, 02UG4JE, 02UG4JZ, 02UG4KE, 02UG4KZ, 02UH07Z, 02UH08Z, 02UH0JZ, 2UH0KZ, 02UH47Z, 02UH48Z, 02UH4JZ, 02UH4KZ, 02UJ07G, 02UJ07Z, 02UJ08G, 02UJ08Z, 02UJ0JG, 02UJ0JZ, 02UJ0KG, 02UJ0KZ, 02UJ47G, 02UJ47Z, 02UJ48G, 02UJ48Z, 02UJ4JG, 02UJ4JZ, 02UJ4KG, 02UJ4KZ, 02WF37Z, 02QF3ZZ		

#	Condition or category	MDC #	DX #	Med surg	CMS index used	MS-DRGs		ICD-10 procedure codes		ICD-10 diagnosis codes
13	**Joint replacement**	8	998	Surg	CMS HAI index Hosp_Wide Readmit HCAHPS	466, 467, 468, 469, 470	**and**	0SPB0EZ, 0SP90EZ, 0SPB09Z, 0SP909Z, 0SPB0BZ, 0SP90BZ, 0SPB08Z, 0SPB48Z, 0SP908Z, 0SP948Z, 0SPE0JZ, 0SPE4JZ, 0SPS0JZ, 0SPS4JZ, 0SPB0JZ, 0SPB4JZ, 0SPA0JZ, 0SPA4JZ, 0SPR0JZ, 0SPR4JZ, 0SP90JZ, 0SP94JZ, 0SRB0EZ, 0SRB07Z, 0SRB049, 0SRB04Z, 0SRB04A, 0SRB039, 0SRB03Z, 0SRB03A, 0SRB029, 0SRB02Z, 0SRB02A, 0SRB019, 0SRB01Z, 0SRB01A, 0SRB0KZ, 0SRB069, 0SRB06Z, 0SRB06A, 0SRB0J9, 0SRB0JZ, 0SRB0JA, 0SRE07Z, 0SRE039, 0SRE03Z, 0SRE03A, 0SRE019, 0SRE01Z, 0SRE01A, 0SRE0KZ, 0SRE009, 0SRE00Z, 0SRE00A, 0SRE0J9, 0SRE0JZ, 0SRE0JA, 0SRS07Z, 0SRS039, 0SRS03Z, 0SRS03A, 0SRS019, 0SRS01Z, 0SRS01A, 0SRS0KZ, 0SRS0J9, 0SRS0JZ, 0SRS0JA, 0SR90EZ, 0SR907Z, 0SR9049, 0SR904Z, 0SR904A, 0SR9039, 0SR903Z, 0SR903A, 0SR9029, 0SR902Z, 0SR902A, 0SR9019, 0SR901Z, 0SR901A, 0SR90KZ, 0SR9069, 0SR906Z, 0SR906A, 0SR90J9, 0SR90JZ, 0SR90JA, 0SRA07Z, 0SRA039, 0SRA03Z, 0SRA03A, 0SRA019, 0SRA01Z, 0SRA01A, 0SRA0KZ, 0SRA009, 0SRA00Z, 0SRA00A, 0SRA0J9, 0SRA0JZ, 0SRA0JA, 0SRR07Z, 0SRR039, 0SRR03Z, 0SRR03A, 0SRR019, 0SRR01Z, 0SRR01A, 0SRR0KZ, 0SRR0J9, 0SRR0JZ, 0SRR0JA, 0SWE0JZ, 0SWE3JZ, 0SWE4JZ, 0SWS0JZ, 0SWS3JZ, 0SWS4JZ, 0SWB0JZ, 0SWB3JZ, 0SWB4JZ, 0SWA0JZ, 0SWA3JZ, 0SWA4JZ, 0SWR0JZ, 0SWR3JZ, 0SWR4JZ, 0SW90JZ, 0SW93JZ, 0SW94JZ, 0SUB09Z, 0SUB0BZ, 0SUE09Z, 0SUE0BZ, 0SUS09Z, 0SUS0BZ, 0SU909Z, 0SU90BZ, 0SUA09Z, 0SUA0BZ, 0SUR09Z, 0SUR0BZ, 0SH908Z, 0SHB08Z		
						Or				
						461, 462, 466, 467, 468, 469, 470	**and**	0SPD0EZ, 0SPC0EZ, 0SPD0MZ, 0SPD4MZ, 0SPC0MZ, 0SPC4MZ, 0SPD09Z, 0SPC09Z, 0SPD0LZ, 0SPD4LZ, 0SPC0LZ, 0SPC4LZ, 0SPD0NZ, 0SPD4NZ, 0SPC0NZ, 0SPC4NZ, 0SPD08Z, 0SPD38Z, 0SPD48Z, 0SPC08Z, 0SPC38Z, 0SPC48Z, 0SPU0JZ, 0SPU4JZ, 0SPD0JZ, 0SPD0JC, 0SPD4JC, 0SPD4JZ, 0SPW0JZ, 0SPW4JZ, 0SPT0JZ, 0SPT4JZ, 0SPC0JZ, 0SPC0JC, 0SPC4JC, 0SPC4JZ, 0SPV0JZ, 0SPV4JZ, 0SRD0EZ, 0SRD07Z, 0SRD0M9, 0SRD0MZ, 0SRD0MA, 0SRD0L9, 0SRD0LZ, 0SRD0LA, 0SRD0KZ, 0SRD069, 0SRD06Z, 0SRD06A, 0SRD0N9, 0SRD0NZ, 0SRD0NA, 0SRD0J9, 0SRD0JZ, 0SRD0JA, 0SRU07Z, 0SRU0KZ, 0SRU0J9, 0SRU0JZ, 0SRU0JA, 0SRW07Z, 0SRW0KZ, 0SRW0J9, 0SRW0JZ, 0SRW0JA, 0SRC0EZ, 0SRC07Z, 0SRC0M9, 0SRC0MZ, 0SRC0MA, 0SRC0L9, 0SRC0LZ, 0SRC0LA, 0SRC0KZ, 0SRC069, 0SRC06Z, 0SRC06A, 0SRC0N9, 0SRC0NZ, 0SRC0NA, 0SRC0J9, 0SRC0JZ, 0SRC0JA, 0SRT07Z, 0SRT0KZ, 0SRT0J9, 0SRT0JZ, 0SRT0JA, 0SRV07Z, 0SRV0KZ, 0SRV0J9, 0SRV0JZ, 0SRV0JA, 0SWU0JZ, 0SWU3JZ, 0SWU4JZ, 0SWD0JZ, 0SWD0JC, 0SWD3JC, 0SWD4JC, 0SWD3JZ, 0SWD4JZ, 0SWW0JZ, 0SWW3JZ, 0SWW4JZ, 0SWT0JZ, 0SWT3JZ, 0SWT4JZ, 0SWC0JZ, 0SWC0JC, 0SWC3JC, 0SWC4JC, 0SWC3JZ, 0SWC4JZ, 0SWV0JZ, 0SWV3JZ, 0SWV4JZ, 0SHD08Z, 0SHC08Z		

#	Condition or category	MDC #	DX #	Med surg	CMS index used	MS-DRGs		ICD-10 procedure codes		ICD-10 diagnosis codes
14	**Hip replacement**	8	87	Surg	CMS HAI index Hosp_Wide Readmit HCAHPS	466, 467, 468, 469, 470	**and**	0SPB0EZ, 0SP90EZ, 0SPB09Z, 0SP909Z, 0SPB0BZ, 0SP90BZ, 0SPB08Z, 0SPB48Z, 0SP908Z, 0SP948Z, 0SPE0JZ, 0SPE4JZ, 0SPS0JZ, 0SPS4JZ, 0SPB0JZ, 0SPB4JZ, 0SPA0JZ, 0SPA4JZ, 0SPR0JZ, 0SPR4JZ, 0SP90JZ, 0SP94JZ, 0SRB0EZ, 0SRB07Z, 0SRB049, 0SRB04Z, 0SRB04A, 0SRB039, 0SRB03Z, 0SRB03A, 0SRB029, 0SRB02Z, 0SRB02A, 0SRB019, 0SRB01Z, 0SRB01A, 0SRB0KZ, 0SRB069, 0SRB06Z, 0SRB06A, 0SRB0J9, 0SRB0JZ, 0SRB0JA, 0SRE07Z, 0SRE039, 0SRE03Z, 0SRE03A, 0SRE019, 0SRE01Z, 0SRE01A, 0SRE0KZ, 0SRE009, 0SRE00Z, 0SRE00A, 0SRE0J9, 0SRE0JZ, 0SRE0JA, 0SRS07Z, 0SRS039, 0SRS03Z, 0SRS03A, 0SRS019, 0SRS01Z, 0SRS01A, 0SRS0KZ, 0SRS0J9, 0SRS0JZ, 0SRS0JA, 0SR90EZ, 0SR907Z, 0SR9049, 0SR904Z, 0SR904A, 0SR9039, 0SR903Z, 0SR903A, 0SR9029, 0SR902Z, 0SR902A, 0SR9019, 0SR901Z, 0SR901A, 0SR90KZ, 0SR9069, 0SR906Z, 0SR906A, 0SR90J9, 0SR90JZ, 0SR90JA, 0SRA07Z, 0SRA039, 0SRA03Z, 0SRA03A, 0SRA019, 0SRA01Z, 0SRA01A, 0SRA0KZ, 0SRA009, 0SRA00Z, 0SRA00A, 0SRA0J9, 0SRA0JZ, 0SRA0JA, 0SRR07Z, 0SRR039, 0SRR03Z, 0SRR03A, 0SRR019, 0SRR01Z, 0SRR01A, 0SRR0KZ, 0SRR0J9, 0SRR0JZ, 0SRR0JA, 0SWE0JZ, 0SWE3JZ, 0SWE4JZ, 0SWS0JZ, 0SWS3JZ, 0SWS4JZ, 0SWB0JZ, 0SWB3JZ, 0SWB4JZ, 0SWA0JZ, 0SWA3JZ, 0SWA4JZ, 0SWR0JZ, 0SWR3JZ, 0SWR4JZ, 0SW90JZ, 0SW93JZ, 0SW94JZ, 0SUB09Z, 0SUB0BZ, 0SUE09Z, 0SUE0BZ, 0SUS09Z, 0SUS0BZ, 0SU909Z, 0SU90BZ, 0SUA09Z, 0SUA0BZ, 0SUR09Z, 0SUR0BZ, 0SH908Z, 0SHB08Z		
15	**Knee replacement**	8	95	Surg	CMS HAI index Hosp_Wide Readmit HCAHPS	461, 462, 466, 467, 468, 469, 470	**and**	0SPD0EZ, 0SPC0EZ, 0SPD0MZ, 0SPD4MZ, 0SPC0MZ, 0SPC4MZ, 0SPD09Z, 0SPC09Z, 0SPD0LZ, 0SPD4LZ, 0SPC0LZ, 0SPC4LZ, 0SPD0NZ, 0SPD4NZ, 0SPC0NZ, 0SPC4NZ, 0SPD08Z, 0SPD38Z, 0SPD48Z, 0SPC08Z, 0SPC38Z, 0SPC48Z, 0SPU0JZ, 0SPU4JZ, 0SPD0JZ, 0SPD0JC, 0SPD4JC, 0SPD4JZ, 0SPW0JZ, 0SPW4JZ, 0SPT0JZ, 0SPT4JZ, 0SPC0JZ, 0SPC0JC, 0SPC4JC, 0SPC4JZ, 0SPV0JZ, 0SPV4JZ, 0SRD0EZ, 0SRD07Z, 0SRD0M9, 0SRD0MZ, 0SRD0MA, 0SRD0L9, 0SRD0LZ, 0SRD0LA, 0SRD0KZ, 0SRD069, 0SRD06Z, 0SRD06A, 0SRD0N9, 0SRD0NZ, 0SRD0NA, 0SRD0J9, 0SRD0JZ, 0SRD0JA, 0SRU07Z, 0SRU0KZ, 0SRU0J9, 0SRU0JZ, 0SRU0JA, 0SRW07Z, 0SRW0KZ, 0SRW0J9, 0SRW0JZ, 0SRW0JA, 0SRC0EZ, 0SRC07Z, 0SRC0M9, 0SRC0MZ, 0SRC0MA, 0SRC0L9, 0SRC0LZ, 0SRC0LA, 0SRC0KZ, 0SRC069, 0SRC06Z, 0SRC06A, 0SRC0N9, 0SRC0NZ, 0SRC0NA, 0SRC0J9, 0SRC0JZ, 0SRC0JA, 0SRT07Z, 0SRT0KZ, 0SRT0J9, 0SRT0JZ, 0SRT0JA, 0SRV07Z, 0SRV0KZ, 0SRV0J9, 0SRV0JZ, 0SRV0JA, 0SWU0JZ, 0SWU3JZ, 0SWU4JZ, 0SWD0JZ, 0SWD0JC, 0SWD3JC, 0SWD4JC, 0SWD3JZ, 0SWD4JZ, 0SWW0JZ, 0SWW3JZ, 0SWW4JZ, 0SWT0JZ, 0SWT3JZ, 0SWT4JZ, 0SWC0JZ, 0SWC0JC, 0SWC3JC, 0SWC4JC, 0SWC3JZ, 0SWC4JZ, 0SWV0JZ, 0SWV3JZ, 0SWV4JZ, 0SHD08Z, 0SHC08Z		

#	Condition or category	MDC #	DX #	Med surg	CMS index used	MS-DRGs		ICD-10 procedure codes		ICD-10 diagnosis codes
16	**Orthopedic back surgery**	1, 8	991	Surg	CMS HAI index Hosp_Wide Readmit HCAHPS	028, 029, 030, 456, 457, 458, 459, 460, 471, 472, 473	**and**	0RG0070, 0RG0071, 0RG6070, 0RG6071, 0RG607J, 0RG60A0, 0RG60AJ, 0RG60J0, 0RG60J1, 0RG60JJ, 0RG60K0, 0RG60K1, 0RG60KJ, 0RG6370, 0RG6371, 0RG637J, 0RG63A0, 0RG63AJ, 0RG63J0, 0RG63J1, 0RG63JJ, 0RG63K0, 0RG63K1, 0RG63KJ, 0RG6470, 0RG6471, 0RG647J, 0RG64A0, 0RG64AJ, 0RG64J0, 0RG64J1, 0RG64JJ, 0RG64K0, 0RG64K1, 0RG64KJ, 0RG7070, 0RG7071, 0RG707J, 0RG70A0, 0RG70AJ, 0RG70J0, 0RG70J1, 0RG70JJ, 0RG70K0, 0RG70K1, 0RG70KJ, 0RG7370, 0RG7371, 0RG737J, 0RG73A0, 0RG73AJ, 0RG73J0, 0RG73J1, 0RG73JJ, 0RG73K0, 0RG73K1, 0RG73KJ, 0RG7470, 0RG7471, 0RG747J, 0RG74A0, 0RG74AJ, 0RG74J0, 0RG74J1, 0RG74JJ, 0RG74K0, 0RG74K1, 0RG74KJ, 0RG8070, 0RG8071, 0RG807J, 0RG80A0, 0RG80AJ, 0RG80J0, 0RG80J1, 0RG80JJ, 0RG80K0, 0RG80K1, 0RG80KJ, 0RG8370, 0RG8371, 0RG837J, 0RG83A0, 0RG83AJ, 0RG83J0, 0RG83J1, 0RG83JJ, 0RG83K0, 0RG83K1, 0RG83KJ, 0RG8470, 0RG8471, 0RG847J, 0RG84A0, 0RG84AJ, 0RG84J0, 0RG84J1, 0RG84JJ, 0RG84K0, 0RG84K1, 0RG84KJ, 0RGA070, 0RGA071, 0RGA07J, 0RGA0A0, 0RGA0AJ, 0RGA0J0, 0RGA0J1, 0RGA0JJ, 0RGA0K0, 0RGA0K1, 0RGA0KJ, 0RGA370, 0RGA371, 0RGA37J, 0RGA3A0, 0RGA3AJ, 0RGA3J0, 0RGA3J1, 0RGA3JJ, 0RGA3K0, 0RGA3K1, 0RGA3KJ, 0RGA470, 0RGA471, 0RGA47J, 0RGA4A0, 0RGA4AJ, 0RGA4J0, 0RGA4J1, 0RGA4JJ, 0RGA4K0, 0RGA4K1, 0RGA4KJ, 0SG0070, 0SG0071, 0SG007J, 0SG00A0, 0SG00AJ, 0SG00J0, 0SG00J1, 0SG00JJ, 0SG00K0, 0SG00K1, 0SG00KJ, 0SG0370, 0SG0371, 0SG037J, 0SG03A0, 0SG03AJ, 0SG03J0, 0SG03J1, 0SG03JJ, 0SG03K0, 0SG03K1, 0SG03KJ, 0SG0470, 0SG0471, 0SG047J, 0SG04A0, 0SG04AJ, 0SG04J0, 0SG04J1, 0SG04JJ, 0SG04K0, 0SG04K1, 0SG04KJ, 0SG1070, 0SG1071, 0SG107J, 0SG10A0, 0SG10AJ, 0SG10J0, 0SG10J1, 0SG10JJ, 0SG10K0, 0SG10K1, 0SG10KJ, 0SG1370, 0SG1371, 0SG137J, 0SG13A0, 0SG13AJ, 0SG13J0, 0SG13J1, 0SG13JJ, 0SG13K0, 0SG13K1, 0SG13KJ, 0SG1470, 0SG1471, 0SG147J, 0SG14A0, 0SG14AJ, 0SG14J0, 0SG14J1, 0SG14JJ, 0SG14K0, 0SG14K1, 0SG14KJ, 0SG3070, 0SG3071, 0SG307J, 0SG30A0, 0SG30AJ, 0SG30J0, 0SG30J1, 0SG30JJ, 0SG30K0, 0SG30K1, 0SG30KJ, 0SG3370, 0SG3371, 0SG337J, 0SG33A0, 0SG33AJ, 0SG33J0, 0SG33J1, 0SG33JJ, 0SG33K0, 0SG33K1, 0SG33KJ, 0SG3470, 0SG3471, 0SG347J, 0SG34A0, 0SG34AJ, 0SG34J0, 0SG34J1, 0SG34JJ, 0SG34K0, 0SG34K1, 0SG34KJ, 0SG504Z, 0SG507Z, 0SG50JZ, 0SG50KZ, 0SG534Z, 0SG537Z, 0SG53JZ, 0SG53KZ, 0SG544Z, 0SG547Z, 0SG54JZ, 0SG54KZ, 0SG604Z, 0SG607Z, 0SG60JZ, 0SG60KZ, 0SG634Z, 0SG637Z, 0SG63JZ, 0SG63KZ, 0SG644Z, 0SG647Z, 0SG64JZ, 0SG64KZ, 0SG704Z, 0SG707Z, 0SG70JZ, 0SG70KZ, 0SG734Z, 0SG737Z, 0SG73JZ, 0SG73KZ, 0SG744Z, 0SG747Z, 0SG74JZ, 0SG74KZ, 0SG804Z, 0SG807Z, 0SG80JZ, 0SG80KZ, 0SG834Z, 0SG837Z, 0SG83JZ, 0SG83KZ, 0SG844Z, 0SG847Z, 0SG84JZ, 0SG84KZ, XRG6092, XRG60F3, XRG7092, XRG70F3, XRG8092, XRG80F3, XRGA092, XRGA0F3, XRGB092, XRGB0F3, XRGC092, XRGC0F3, XRGD092, XRGD0F3, 0RG007J, 0RG00A0, 0RG00AJ, 0RG00J0, 0RG00J1, 0RG00JJ, 0RG00K0, 0RG00K1, 0RG00KJ, 0RG0370, 0RG0371, 0RG037J, 0RG03A0, 0RG03AJ, 0RG03J0, 0RG03J1, 0RG03JJ, 0RG03K0, 0RG03K1, 0RG03KJ, 0RG0470, 0RG0471, 0RG047J, 0RG04A0, 0RG04AJ, 0RG04J0, 0RG04J1,		

#	Condition or category	MDC #	DX #	Med surg	CMS index used	MS-DRGs	ICD-10 procedure codes	ICD-10 diagnosis codes
							0RG04JJ, 0RG04K0, 0RG04K1, 0RG04KJ, 0RG1070, 0RG1071, 0RG107J, 0RG10A0, 0RG10AJ, 0RG10J0, 0RG10J1, 0RG10JJ, 0RG10K0, 0RG10K1, 0RG10KJ, 0RG1370, 0RG1371, 0RG137J, 0RG13A0, 0RG13AJ, 0RG13J0, 0RG13J1, 0RG13JJ, 0RG13K0, 0RG13K1, 0RG13KJ, 0RG1470, 0RG1471, 0RG147J, 0RG14A0, 0RG14AJ, 0RG14J0, 0RG14J1, 0RG14JJ, 0RG14K0, 0RG14K1, 0RG14KJ, 0RG2070, 0RG2071, 0RG207J, 0RG20A0, 0RG20AJ, 0RG20J0, 0RG20J1, 0RG20JJ, 0RG20K0, 0RG20K1, 0RG20KJ, 0RG2370, 0RG2371, 0RG237J, 0RG23A0, 0RG23AJ, 0RG23J0, 0RG23J1, 0RG23JJ, 0RG23K0, 0RG23K1, 0RG23KJ, 0RG2470, 0RG2471, 0RG247J, 0RG24A0, 0RG24AJ, 0RG24J0, 0RG24J1, 0RG24JJ, 0RG24K0, 0RG24K1, 0RG24KJ, 0RG4070, 0RG4071, 0RG407J, 0RG40A0, 0RG40AJ, 0RG40J0, 0RG40J1, 0RG40JJ, 0RG40K0, 0RG40K1, 0RG40KJ, 0RG4370, 0RG4371, 0RG437J, 0RG43A0, 0RG43AJ, 0RG43J0, 0RG43J1, 0RG43JJ, 0RG43K0, 0RG43K1, 0RG43KJ, 0RG4470, 0RG4471, 0RG447J, 0RG44A0, 0RG44AJ, 0RG44J0, 0RG44J1, 0RG44JJ, 0RG44K0, 0RG44K1, 0RG44KJ, XRG0092, XRG00F3, XRG1092, XRG10F3, XRG2092, XRG20F3, XRG4092, XRG40F3, 0RG00Z0, 0RG00Z1, 0RG00ZJ, 0RG03Z0, 0RG03Z1, 0RG03ZJ, 0RG04Z0, 0RG04Z1, 0RG04ZJ, 0RG10Z0, 0RG10Z1, 0RG10ZJ, 0RG13Z0, 0RG13Z1, 0RG13ZJ, 0RG14Z0, 0RG14Z1, 0RG14ZJ, 0RG20Z0, 0RG20Z1, 0RG20ZJ, 0RG23Z0, 0RG23Z1, 0RG23ZJ, 0RG24Z0, 0RG24Z1, 0RG24ZJ, 0RG40Z0, 0RG40Z1, 0RG40ZJ, 0RG43Z0, 0RG43Z1, 0RG43ZJ, 0RG44Z0, 0RG44Z1, 0RG44ZJ, 0RG60Z0, 0RG60Z1, 0RG60ZJ, 0RG63Z0, 0RG63Z1, 0RG63ZJ, 0RG64Z0, 0RG64Z1, 0RG64ZJ, 0RG70Z0, 0RG70Z1, 0RG70ZJ, 0RG73Z0, 0RG73Z1, 0RG73ZJ, 0RG74Z0, 0RG74Z1, 0RG74ZJ, 0RG80Z0, 0RG80Z1, 0RG80ZJ, 0RG83Z0, 0RG83Z1, 0RG83ZJ, 0RG84Z0, 0RG84Z1, 0RG84ZJ, 0RGA0Z0, 0RGA0Z1, 0RGA0ZJ, 0RGA3Z0, 0RGA3Z1, 0RGA3ZJ, 0RGA4Z0, 0RGA4Z1, 0RGA4ZJ, 0RGC0ZZ, 0RGC3ZZ, 0RGC4ZZ, 0RGD0ZZ, 0RGD3ZZ, 0RGD4ZZ, 0RGE0ZZ, 0RGE3ZZ, 0RGE4ZZ, 0RGF0ZZ, 0RGF3ZZ, 0RGF4ZZ, 0RGG0ZZ, 0RGG3ZZ, 0RGG4ZZ, 0RGH0ZZ, 0RGH3ZZ, 0RGH4ZZ, 0SG00Z0, 0SG00Z1, 0SG00ZJ, 0SG03Z0, 0SG03Z1, 0SG03ZJ, 0SG04Z0, 0SG04Z1, 0SG04ZJ, 0SG10Z0, 0SG10Z1, 0SG10ZJ, 0SG13Z0, 0SG13Z1, 0SG13ZJ, 0SG14Z0, 0SG14Z1, 0SG14ZJ, 0SG30Z0, 0SG30Z1, 0SG30ZJ, 0SG33Z0, 0SG33Z1, 0SG33ZJ, 0SG34Z0, 0SG34Z1, 0SG34ZJ, 0SG50ZZ, 0SG53ZZ, 0SG54ZZ, 0SG60ZZ, 0SG63ZZ, 0SG64ZZ, 0SG70ZZ, 0SG73ZZ, 0SG74ZZ, 0SG80ZZ, 0SG83ZZ, 0SG84ZZ, 0RG60A1, 0RG63A1, 0RG64A1, 0RG70A1, 0RG73A1, 0RG74A1, 0RG80A1, 0RG83A1, 0RG84A1, 0RGA0A1, 0RGA3A1, 0RGA4A1, 0SG00A1, 0SG03A1, 0SG04A1, 0SG10A1, 0SG13A1, 0SG14A1, 0SG30A1, 0SG33A1, 0SG34A1, 0RG00A1, 0RG03A1, 0RG04A1, 0RG10A1, 0RG13A1, 0RG14A1, 0RG20A1, 0RG23A1, 0RG24A1, 0RG40A1, 0RG43A1, 0RG44A1	
							or	

#	Condition or category	MDC #	DX #	Med surg	CMS index used	MS-DRGs		ICD-10 procedure codes		ICD-10 diagnosis codes
						028, 029, 030, 490, 491, 518, 519, 520	and	0R530ZZ, 0R550ZZ, 0R590ZZ, 0R5B0ZZ, 0RB30ZZ, 0RB33ZZ, 0RB34ZZ, 0RB50ZZ, 0RB53ZZ, 0RB54ZZ, 0RB90ZZ, 0RB93ZZ, 0RB94ZZ, 0RBB0ZZ, 0RBB3ZZ, 0RBB4ZZ, 0RQ30ZZ, 0RQ90ZZ, 0RQB0ZZ, 0RR90JZ, 0RRB0JZ, 0RT30ZZ, 0RT50ZZ, 0RT90ZZ, 0RTB0ZZ, 0RU307Z, 0RU30JZ, 0RU30KZ, 0RU337Z, 0RU33JZ, 0RU33KZ, 0RU347Z, 0RU34JZ, 0RU34KZ, 0RU907Z, 0RU90JZ, 0RU90KZ, 0RU937Z, 0RU93JZ, 0RU93KZ, 0RU947Z, 0RU94JZ, 0RU94KZ, 0RUB07Z, 0RUB0JZ, 0RUB0KZ, 0RUB37Z, 0RUB3JZ, 0RUB3KZ, 0RUB47Z, 0RUB4JZ, 0RUB4KZ, 0RW30JZ, 0RW33JZ, 0RW34JZ, 0RW50JZ, 0RW53JZ, 0RW54JZ, 0RW90JZ, 0RW93JZ, 0RW94JZ, 0RWB0JZ, 0RWB3JZ, 0RWB4JZ, 0S520ZZ, 0S523ZZ, 0S524ZZ, 0S540ZZ, 0S543ZZ, 0S544ZZ, 0SB20ZZ, 0SB23ZZ, 0SB24ZZ, 0SB40ZZ, 0SB43ZZ, 0SB44ZZ, 0SQ20ZZ, 0SQ40ZZ, 0ST20ZZ, 0ST40ZZ, 0SU207Z, 0SU20JZ, 0SU20KZ, 0SU237Z, 0SU23JZ, 0SU23KZ, 0SU247Z, 0SU24JZ, 0SU24KZ, 0SU407Z, 0SU40JZ, 0SU40KZ, 0SU437Z, 0SU43JZ, 0SU43KZ, 0SU447Z, 0SU44JZ, 0SU44KZ, 0SW20JZ, 0SW23JZ, 0SW24JZ, 0SW40JZ, 0SW43JZ, 0SW44JZ		
17	**Disc surgery**	8	51	Surg	CMS HAI index Hosp_Wide Readmit HCAHPS	028, 029, 030, 490, 491, 518, 519, 520	and	0R530ZZ, 0R550ZZ, 0R590ZZ, 0R5B0ZZ, 0RB30ZZ, 0RB33ZZ, 0RB34ZZ, 0RB50ZZ, 0RB53ZZ, 0RB54ZZ, 0RB90ZZ, 0RB93ZZ, 0RB94ZZ, 0RBB0ZZ, 0RBB3ZZ, 0RBB4ZZ, 0RQ30ZZ, 0RQ90ZZ, 0RQB0ZZ, 0RR90JZ, 0RRB0JZ, 0RT30ZZ, 0RT50ZZ, 0RT90ZZ, 0RTB0ZZ, 0RU307Z, 0RU30JZ, 0RU30KZ, 0RU337Z, 0RU33JZ, 0RU33KZ, 0RU347Z, 0RU34JZ, 0RU34KZ, 0RU907Z, 0RU90JZ, 0RU90KZ, 0RU937Z, 0RU93JZ, 0RU93KZ, 0RU947Z, 0RU94JZ, 0RU94KZ, 0RUB07Z, 0RUB0JZ, 0RUB0KZ, 0RUB37Z, 0RUB3JZ, 0RUB3KZ, 0RUB47Z, 0RUB4JZ, 0RUB4KZ, 0RW30JZ, 0RW33JZ, 0RW34JZ, 0RW50JZ, 0RW53JZ, 0RW54JZ, 0RW90JZ, 0RW93JZ, 0RW94JZ, 0RWB0JZ, 0RWB3JZ, 0RWB4JZ, 0S520ZZ, 0S523ZZ, 0S524ZZ, 0S540ZZ, 0S543ZZ, 0S544ZZ, 0SB20ZZ, 0SB23ZZ, 0SB24ZZ, 0SB40ZZ, 0SB43ZZ, 0SB44ZZ, 0SQ20ZZ, 0SQ40ZZ, 0ST20ZZ, 0ST40ZZ, 0SU207Z, 0SU20JZ, 0SU20KZ, 0SU237Z, 0SU23JZ, 0SU23KZ, 0SU247Z, 0SU24JZ, 0SU24KZ, 0SU407Z, 0SU40JZ, 0SU40KZ, 0SU437Z, 0SU43JZ, 0SU43KZ, 0SU447Z, 0SU44JZ, 0SU44KZ, 0SW20JZ, 0SW23JZ, 0SW24JZ, 0SW40JZ, 0SW43JZ, 0SW44JZ		

#	Condition or category	MDC #	DX #	Med surg	CMS index used	MS-DRGs		ICD-10 procedure codes		ICD-10 diagnosis codes
18	**Spinal fusion**	1	143	Surg	CMS HAI index Hosp_Wide Readmit HCAHPS	028, 029, 030, 456, 457, 458, 459, 460, 471, 472, 473	**and**	0RG0070, 0RG0071, 0RG6070, 0RG6071, 0RG607J, 0RG60A0, 0RG60AJ, 0RG60J0, 0RG60J1, 0RG60JJ, 0RG60K0, 0RG60K1, 0RG60KJ, 0RG6370, 0RG6371, 0RG637J, 0RG63A0, 0RG63AJ, 0RG63J0, 0RG63J1, 0RG63JJ, 0RG63K0, 0RG63K1, 0RG63KJ, 0RG6470, 0RG6471, 0RG647J, 0RG64A0, 0RG64AJ, 0RG64J0, 0RG64J1, 0RG64JJ, 0RG64K0, 0RG64K1, 0RG64KJ, 0RG7070, 0RG7071, 0RG707J, 0RG70A0, 0RG70AJ, 0RG70J0, 0RG70J1, 0RG70JJ, 0RG70K0, 0RG70K1, 0RG70KJ, 0RG7370, 0RG7371, 0RG737J, 0RG73A0, 0RG73AJ, 0RG73J0, 0RG73J1, 0RG73JJ, 0RG73K0, 0RG73K1, 0RG73KJ, 0RG7470, 0RG7471, 0RG747J, 0RG74A0, 0RG74AJ, 0RG74J0, 0RG74J1, 0RG74JJ, 0RG74K0, 0RG74K1, 0RG74KJ, 0RG8070, 0RG8071, 0RG807J, 0RG80A0, 0RG80AJ, 0RG80J0, 0RG80J1, 0RG80JJ, 0RG80K0, 0RG80K1, 0RG80KJ, 0RG8370, 0RG8371, 0RG837J, 0RG83A0, 0RG83AJ, 0RG83J0, 0RG83J1, 0RG83JJ, 0RG83K0, 0RG83K1, 0RG83KJ, 0RG8470, 0RG8471, 0RG847J, 0RG84A0, 0RG84AJ, 0RG84J0, 0RG84J1, 0RG84JJ, 0RG84K0, 0RG84K1, 0RG84KJ, 0RGA070, 0RGA071, 0RGA07J, 0RGA0A0, 0RGA0AJ, 0RGA0J0, 0RGA0J1, 0RGA0JJ, 0RGA0K0, 0RGA0K1, 0RGA0KJ, 0RGA370, 0RGA371, 0RGA37J, 0RGA3A0, 0RGA3AJ, 0RGA3J0, 0RGA3J1, 0RGA3JJ, 0RGA3K0, 0RGA3K1, 0RGA3KJ, 0RGA470, 0RGA471, 0RGA47J, 0RGA4A0, 0RGA4AJ, 0RGA4J0, 0RGA4J1, 0RGA4JJ, 0RGA4K0, 0RGA4K1, 0RGA4KJ, 0SG0070, 0SG0071, 0SG007J, 0SG00A0, 0SG00AJ, 0SG00J0, 0SG00J1, 0SG00JJ, 0SG00K0, 0SG00K1, 0SG00KJ, 0SG0370, 0SG0371, 0SG037J, 0SG03A0, 0SG03AJ, 0SG03J0, 0SG03J1, 0SG03JJ, 0SG03K0, 0SG03K1, 0SG03KJ, 0SG0470, 0SG0471, 0SG047J, 0SG04A0, 0SG04AJ, 0SG04J0, 0SG04J1, 0SG04JJ, 0SG04K0, 0SG04K1, 0SG04KJ, 0SG1070, 0SG1071, 0SG107J, 0SG10A0, 0SG10AJ, 0SG10J0, 0SG10J1, 0SG10JJ, 0SG10K0, 0SG10K1, 0SG10KJ, 0SG1370, 0SG1371, 0SG137J, 0SG13A0, 0SG13AJ, 0SG13J0, 0SG13J1, 0SG13JJ, 0SG13K0, 0SG13K1, 0SG13KJ, 0SG1470, 0SG1471, 0SG147J, 0SG14A0, 0SG14AJ, 0SG14J0, 0SG14J1, 0SG14JJ, 0SG14K0, 0SG14K1, 0SG14KJ, 0SG3070, 0SG3071, 0SG307J, 0SG30A0, 0SG30AJ, 0SG30J0, 0SG30J1, 0SG30JJ, 0SG30K0, 0SG30K1, 0SG30KJ, 0SG3370, 0SG3371, 0SG337J, 0SG33A0, 0SG33AJ, 0SG33J0, 0SG33J1, 0SG33JJ, 0SG33K0, 0SG33K1, 0SG33KJ, 0SG3470, 0SG3471, 0SG347J, 0SG34A0, 0SG34AJ, 0SG34J0, 0SG34J1, 0SG34JJ, 0SG34K0, 0SG34K1, 0SG34KJ, 0SG504Z, 0SG507Z, 0SG50JZ, 0SG50KZ, 0SG534Z, 0SG537Z, 0SG53JZ, 0SG53KZ, 0SG544Z, 0SG547Z, 0SG54JZ, 0SG54KZ, 0SG604Z, 0SG607Z, 0SG60JZ, 0SG60KZ, 0SG634Z, 0SG637Z, 0SG63JZ, 0SG63KZ, 0SG644Z, 0SG647Z, 0SG64JZ, 0SG64KZ, 0SG704Z, 0SG707Z, 0SG70JZ, 0SG70KZ, 0SG734Z, 0SG737Z, 0SG73JZ, 0SG73KZ, 0SG744Z, 0SG747Z, 0SG74JZ, 0SG74KZ, 0SG804Z, 0SG807Z, 0SG80JZ, 0SG80KZ, 0SG834Z, 0SG837Z, 0SG83JZ, 0SG83KZ, 0SG844Z, 0SG847Z, 0SG84JZ, 0SG84KZ, XRG6092, XRG60F3, XRG7092, XRG70F3, XRG8092, XRG80F3, XRGA092, XRGA0F3, XRGB092, XRGB0F3, XRGC092, XRGC0F3, XRGD092, XRGD0F3, 0RG007J, 0RG00A0, 0RG00AJ, 0RG00J0, 0RG00J1, 0RG00JJ, 0RG00K0, 0RG00K1, 0RG00KJ, 0RG0370, 0RG0371, 0RG037J, 0RG03A0, 0RG03AJ, 0RG03J0, 0RG03J1, 0RG03JJ, 0RG03K0, 0RG03K1, 0RG03KJ, 0RG0470, 0RG0471, 0RG047J, 0RG04A0, 0RG04AJ, 0RG04J0, 0RG04J1,		

#	Condition or category	MDC #	DX #	Med surg	CMS index used	MS-DRGs		ICD-10 procedure codes		ICD-10 diagnosis codes
								0RG1071, 0RG107J, 0RG10A0, 0RG10AJ, 0RG10J0, 0RG10J1, 0RG10JJ, 0RG10K0, 0RG10K1, 0RG10KJ, 0RG1370, 0RG1371, 0RG137J, 0RG13A0, 0RG13AJ, 0RG13J0, 0RG13J1, 0RG13JJ, 0RG13K0, 0RG13K1, 0RG13KJ, 0RG1470, 0RG1471, 0RG147J, 0RG14A0, 0RG14AJ, 0RG14J0, 0RG14J1, 0RG14JJ, 0RG14K0, 0RG14K1, 0RG14KJ, 0RG2070, 0RG2071, 0RG207J, 0RG20A0, 0RG20AJ, 0RG20J0, 0RG20J1, 0RG20JJ, 0RG20K0, 0RG20K1, 0RG20KJ, 0RG2370, 0RG2371, 0RG237J, 0RG23A0, 0RG23AJ, 0RG23J0, 0RG23J1, 0RG23JJ, 0RG23K0, 0RG23K1, 0RG23KJ, 0RG2470, 0RG2471, 0RG247J, 0RG24A0, 0RG24AJ, 0RG24J0, 0RG24J1, 0RG24JJ, 0RG24K0, 0RG24K1, 0RG24KJ, 0RG4070, 0RG4071, 0RG407J, 0RG40A0, 0RG40AJ, 0RG40J0, 0RG40J1, 0RG40JJ, 0RG40K0, 0RG40K1, 0RG40KJ, 0RG4370, 0RG4371, 0RG437J, 0RG43A0, 0RG43AJ, 0RG43J0, 0RG43J1, 0RG43JJ, 0RG43K0, 0RG43K1, 0RG43KJ, 0RG4470, 0RG4471, 0RG447J, 0RG44A0, 0RG44AJ, 0RG44J0, 0RG44J1, 0RG44JJ, 0RG44K0, 0RG44K1, 0RG44KJ, XRG0092, XRG00F3, XRG1092, XRG10F3, XRG2092, XRG20F3, XRG4092, XRG40F3, 0RG00Z0, 0RG00Z1, 0RG00ZJ, 0RG03Z0, 0RG03Z1, 0RG03ZJ, 0RG04Z0, 0RG04Z1, 0RG04ZJ, 0RG10Z0, 0RG10Z1, 0RG10ZJ, 0RG13Z0, 0RG13Z1, 0RG13ZJ, 0RG14Z0, 0RG14Z1, 0RG14ZJ, 0RG20Z0, 0RG20Z1, 0RG20ZJ, 0RG23Z0, 0RG23Z1, 0RG23ZJ, 0RG24Z0, 0RG24Z1, 0RG24ZJ, 0RG40Z0, 0RG40Z1, 0RG40ZJ, 0RG43Z0, 0RG43Z1, 0RG43ZJ, 0RG44Z0, 0RG44Z1, 0RG44ZJ, 0RG60Z0, 0RG60Z1, 0RG60ZJ, 0RG63Z0, 0RG63Z1, 0RG63ZJ, 0RG64Z0, 0RG64Z1, 0RG64ZJ, 0RG70Z0, 0RG70Z1, 0RG70ZJ, 0RG73Z0, 0RG73Z1, 0RG73ZJ, 0RG74Z0, 0RG74Z1, 0RG74ZJ, 0RG80Z0, 0RG80Z1, 0RG80ZJ, 0RG83Z0, 0RG83Z1, 0RG83ZJ, 0RG84Z0, 0RG84Z1, 0RG84ZJ, 0RGA0Z0, 0RGA0Z1, 0RGA0ZJ, 0RGA3Z0, 0RGA3Z1, 0RGA3ZJ, 0RGA4Z0, 0RGA4Z1, 0RGA4ZJ, 0RGC0ZZ, 0RGC3ZZ, 0RGC4ZZ, 0RGD0ZZ, 0RGD3ZZ, 0RGD4ZZ, 0RGE0ZZ, 0RGE3ZZ, 0RGE4ZZ, 0RGF0ZZ, 0RGF3ZZ, 0RGF4ZZ, 0RGG0ZZ, 0RGG3ZZ, 0RGG4ZZ, 0RGH0ZZ, 0RGH3ZZ, 0RGH4ZZ, 0SG00Z0, 0SG00Z1, 0SG00ZJ, 0SG03Z0, 0SG03Z1, 0SG03ZJ, 0SG04Z0, 0SG04Z1, 0SG04ZJ, 0SG10Z0, 0SG10Z1, 0SG10ZJ, 0SG13Z0, 0SG13Z1, 0SG13ZJ, 0SG14Z0, 0SG14Z1, 0SG14ZJ, 0SG30Z0, 0SG30Z1, 0SG30ZJ, 0SG33Z0, 0SG33Z1, 0SG33ZJ, 0SG34Z0, 0SG34Z1, 0SG34ZJ, 0SG50ZZ, 0SG53ZZ, 0SG54ZZ, 0SG60ZZ, 0SG63ZZ, 0SG64ZZ, 0SG70ZZ, 0SG73ZZ, 0SG74ZZ, 0SG80ZZ, 0SG83ZZ, 0SG84ZZ, 0RG60A1, 0RG63A1, 0RG64A1, 0RG70A1, 0RG73A1, 0RG74A1, 0RG80A1, 0RG83A1, 0RG84A1, 0RGA0A1, 0RGA3A1, 0RGA4A1, 0SG00A1, 0SG03A1, 0SG04A1, 0SG10A1, 0SG13A1, 0SG14A1, 0SG30A1, 0SG33A1, 0SG34A1, 0RG00A1, 0RG03A1, 0RG04A1, 0RG10A1, 0RG13A1, 0RG14A1, 0RG20A1, 0RG23A1, 0RG24A1, 0RG40A1, 0RG43A1, 0RG44A1		

#	Condition or category	MDC #	DX #	Med surg	CMS index used	MS-DRGs		ICD-10 procedure codes		ICD-10 diagnosis codes
19	**Pulmonology medical**	4	994	Med	CMS HAI index PNE Readmit HCAHPS	193, 194, 195			**and**	J09X1, J09X2, J1000, J1001, J1008, J101, J1100, J1108, J120, J121, J122, J123, J1281, J1289, J129, J13, J14, J153, J154, J157, J159, J160, J168, J180, J181, J188, J189, A481, J150, J151, J1520, J15211, J15212, J1529, J155, J156, J158, A0222, A065, A150, A154, A155, A156, A157, A158, A159, A202, A212, A221, A310, A420, A430, A5272, B012, B052, B250, B371, B380, B381, B382, B390, B391, B392, B440, B583, B59, B664, B671, E840, J17, J690, J691, J698, J850, J851, J852, J853, J860, J869, J9851, J9859, R7611, R7612, J985
						or				
						190, 191, 192				
20	**COPD (pulmonary disease)**	4	37	Med	HCAHPS	190, 191, 192				

#	Condition or category	MDC #	DX #	Med surg	CMS index used	MS-DRGs		ICD-10 procedure codes		ICD-10 diagnosis codes
21	**Pneumonia**	4	118	Med	CMS HAI index PNE Readmit HCAHPS	193, 194, 195			**and**	J09X1, J09X2, J1000, J1001, J1008, J101, J1100, J1108, J120, J121, J122, J123, J1281, J1289, J129, J13, J14, J153, J154, J157, J159, J160, J168, J180, J181, J188, J189, A481, J150, J151, J1520, J15211, J15212, J1529, J155, J156, J158, A0222, A065, A150, A154, A155, A156, A157, A158, A159, A202, A212, A221, A310, A420, A430, A5272, B012, B052, B250, B371, B380, B381, B382, B390, B391, B392, B440, B583, B59, B664, B671, E840, J17, J690, J691, J698, J850, J851, J852, J853, J860, J869, J9851, J9859, R7611, R7612, J985
Individual conditions										
22	**Hysterectomy**	13	153	Surg	CMS HAI index Hosp_Wide Readmit HCAHPS	742, 743	**and**	0UT90ZZ, 0UT94ZZ, 0UT97ZZ, 0UT98ZZ, 0UT9FZZ, 0UT90ZL, 0UT94ZL, 0UT97ZL, 0UT98ZL, 0UT9FZL		

#	Condition or category	MDC #	DX #	Med surg	CMS index used	MS-DRGs		ICD-10 procedure codes		ICD-10 diagnosis codes
23	**Bariatric surgery**	10	200	Surg		326, 327, 328, 619, 620, 621	and	0D16079, 0D1607A, 0D1607B, 0D1607L, 0D160J9, 0D160JA, 0D160JB, 0D160JL, 0D160K9, 0D160KA, 0D160KB, 0D160KL, 0D160Z9, 0D160ZA, 0D160ZB, 0D160ZL, 0D16479, 0D1647A, 0D1647B, 0D1647L, 0D164J9, 0D164JA, 0D164JB, 0D164JL, 0D164K9, 0D164KA, 0D164KB, 0D164KL, 0D164Z9, 0D164ZA, 0D164ZB, 0D164ZL, 0D16879, 0D1687A, 0D1687B, 0D1687L, 0D168J9, 0D168JA, 0D168JB, 0D168JL, 0D168K9, 0D168KA, 0D168KB, 0D168KL, 0D168Z9, 0D168ZA, 0D168ZB, 0D168ZL, 0D760DZ, 0D760ZZ, 0D763DZ, 0D763ZZ, 0D764DZ, 0D764ZZ, 0DB60Z3, 0DB60ZZ, 0DB63Z3, 0DB63ZZ, 0DB64Z3, 0DB67Z3, 0DB67ZZ, 0DB68Z3, 0DF60ZZ, 0DF63ZZ, 0DF64ZZ, 0DF67ZZ, 0DF68ZZ, 0DH60DZ, 0DH63DZ, 0DH64DZ, 0DL60CZ, 0DL60DZ, 0DL60ZZ, 0DL63CZ, 0DL63DZ, 0DL63ZZ, 0DL64CZ, 0DL64DZ, 0DL64ZZ, 0DL67DZ, 0DL67ZZ, 0DL68DZ, 0DL68ZZ, 0DL70CZ, 0DL70DZ, 0DL70ZZ, 0DL73CZ, 0DL73DZ, 0DL73ZZ, 0DL74CZ, 0DL74DZ, 0DL74ZZ, 0DL77DZ, 0DL77ZZ, 0DL78DZ, 0DL78ZZ, 0DM60ZZ, 0DM64ZZ, 0DN60ZZ, 0DN63ZZ, 0DN64ZZ, 0DN67ZZ, 0DN68ZZ, 0DP643Z, 0DP64CZ, 0DQ60ZZ, 0DQ63ZZ, 0DQ64ZZ, 0DQ67ZZ, 0DQ68ZZ, 0DU607Z, 0DU60JZ, 0DU60KZ, 0DU647Z, 0DU64JZ, 0DU64KZ, 0DU677Z, 0DU67JZ, 0DU67KZ, 0DU687Z, 0DU68JZ, 0DU68KZ, 0DV60CZ, 0DV60DZ, 0DV60ZZ, 0DV63CZ, 0DV63DZ, 0DV63ZZ, 0DV64CZ, 0DV64DZ, 0DV64ZZ, 0DV67ZZ, 0DV68ZZ, 0DW643Z, 0DW64CZ, 0DY60Z0, 0DY60Z1, 0DY60Z2, 0D19079, 0D1907A, 0D1907B, 0D190J9, 0D190JA, 0D190JB, 0D190K9, 0D190KA, 0D190KB, 0D190Z9, 0D190ZA, 0D190ZB, 0D19479, 0D1947A, 0D1947B, 0D194J9, 0D194JA, 0D194JB, 0D194K9, 0D194KA, 0D194KB, 0D194Z9, 0D194ZA, 0D194ZB, 0D19879, 0D1987A, 0D1987B, 0D198J9, 0D198JA, 0D198JB, 0D198K9, 0D198KA, 0D198KB, 0D198Z9, 0D198ZA, 0D198ZB, 0D1A07A, 0D1A07B, 0D1A0JA, 0D1A0JB, 0D1A0KA, 0D1A0KB, 0D1A0ZA, 0D1A0ZB, 0D1A47A, 0D1A47B, 0D1A4JA, 0D1A4JB, 0D1A4KA, 0D1A4KB, 0D1A4ZA, 0D1A4ZB, 0D1A87A, 0D1A87B, 0D1A8JA, 0D1A8JB, 0D1A8KA, 0D1A8KB, 0D1A8ZA, 0D1A8ZB, 0D1A8ZH, 0D1B07B, 0D1B0JB, 0D1B0KB, 0D1B0ZB, 0D1B47B, 0D1B4JB, 0D1B4KB, 0D1B4ZB, 0D1B87B, 0D1B8JB, 0D1B8KB, 0D1B8ZB, 0D1B8ZH	and	E6601, E662, Z6835, Z6836, Z6837, Z6838, Z6839, Z6841, Z6842, Z6843, Z6844, Z6845

#	Condition or category	MDC #	DX #	Med surg	CMS index used	MS-DRGs		ICD-10 procedure codes		ICD-10 diagnosis codes
24	**Colon surgery**	6	34	Surg	CMS HAI index Hosp_Wide Readmit HCAHPS	329, 330, 331	**and**	0D1807H, 0D1807K, 0D1807L, 0D1807M, 0D1807N, 0D1807P, 0D180JH, 0D180JK, 0D180JL, 0D180JM, 0D180JN, 0D180JP, 0D180KH, 0D180KK, 0D180KL, 0D180KM, 0D180KN, 0D180KP, 0D180ZH, 0D180ZK, 0D180ZL, 0D180ZM, 0D180ZN, 0D180ZP, 0D1847H, 0D1847K, 0D1847L, 0D1847M, 0D1847N, 0D1847P, 0D184JH, 0D184JK, 0D184JL, 0D184JM, 0D184JN, 0D184JP, 0D184KH, 0D184KK, 0D184KL, 0D184KM, 0D184KN, 0D184KP, 0D184ZH, 0D184ZK, 0D184ZL, 0D184ZM, 0D184ZN, 0D184ZP, 0D1887H, 0D1887K, 0D1887L, 0D1887M, 0D1887N, 0D1887P, 0D188JH, 0D188JK, 0D188JL, 0D188JM, 0D188JN, 0D188JP, 0D188KH, 0D188KK, 0D188KL, 0D188KM, 0D188KN, 0D188KP, 0D188ZH, 0D188ZK, 0D188ZL, 0D188ZM, 0D188ZN, 0D188ZP, 0D1907L, 0D190JL, 0D190KL, 0D190ZL, 0D1947L, 0D194JL, 0D194KL, 0D194ZL, 0D1987L, 0D198JL, 0D198KL, 0D198ZL, 0D1A07H, 0D1A07K, 0D1A07L, 0D1A07M, 0D1A07N, 0D1A07P, 0D1A0JH, 0D1A0JK, 0D1A0JL, 0D1A0JM, 0D1A0JN, 0D1A0JP, 0D1A0KH, 0D1A0KK, 0D1A0KL, 0D1A0KM, 0D1A0KN, 0D1A0KP, 0D1A0ZH, 0D1A0ZK, 0D1A0ZL, 0D1A0ZM, 0D1A0ZN, 0D1A0ZP, 0D1A47H, 0D1A47K, 0D1A47L, 0D1A47M, 0D1A47N, 0D1A47P, 0D1A4JH, 0D1A4JK, 0D1A4JL, 0D1A4JM, 0D1A4JN, 0D1A4JP, 0D1A4KH, 0D1A4KK, 0D1A4KL, 0D1A4KM, 0D1A4KN, 0D1A4KP, 0D1A4ZH, 0D1A4ZK, 0D1A4ZL, 0D1A4ZM, 0D1A4ZN, 0D1A4ZP, 0D1A87H, 0D1A87K, 0D1A87L, 0D1A87M, 0D1A87N, 0D1A87P, 0D1A8JH, 0D1A8JK, 0D1A8JL, 0D1A8JM, 0D1A8JN, 0D1A8JP, 0D1A8KH, 0D1A8KK, 0D1A8KL, 0D1A8KM, 0D1A8KN, 0D1A8KP, 0D1A8ZH, 0D1A8ZK, 0D1A8ZL, 0D1A8ZM, 0D1A8ZN, 0D1A8ZP, 0D1B07H, 0D1B07K, 0D1B07L, 0D1B07M, 0D1B07N, 0D1B07P, 0D1B0JH, 0D1B0JK, 0D1B0JL, 0D1B0JM, 0D1B0JN, 0D1B0JP, 0D1B0KH, 0D1B0KK, 0D1B0KL, 0D1B0KM, 0D1B0KN, 0D1B0KP, 0D1B0ZH, 0D1B0ZK, 0D1B0ZL, 0D1B0ZM, 0D1B0ZN, 0D1B0ZP, 0D1B47H, 0D1B47K, 0D1B47L, 0D1B47M, 0D1B47N, 0D1B47P, 0D1B4JH, 0D1B4JK, 0D1B4JL, 0D1B4JM, 0D1B4JN, 0D1B4JP, 0D1B4KH, 0D1B4KK, 0D1B4KL, 0D1B4KM, 0D1B4KN, 0D1B4KP, 0D1B4ZH, 0D1B4ZK, 0D1B4ZL, 0D1B4ZM, 0D1B4ZN, 0D1B4ZP, 0D1B87H, 0D1B87K, 0D1B87L, 0D1B87M, 0D1B87N, 0D1B87P, 0D1B8JH, 0D1B8JK, 0D1B8JL, 0D1B8JM, 0D1B8JN, 0D1B8JP, 0D1B8KH, 0D1B8KK, 0D1B8KL, 0D1B8KM, 0D1B8KN, 0D1B8KP, 0D1B8ZH, 0D1B8ZK, 0D1B8ZL, 0D1B8ZM, 0D1B8ZN, 0D1B8ZP, 0D1E074, 0D1E07E, 0D1E07P, 0D1E0J4, 0D1E0JE, 0D1E0JP, 0D1E0K4, 0D1E0KE, 0D1E0KP, 0D1E0Z4, 0D1E0ZE, 0D1E0ZP, 0D1E474, 0D1E47E, 0D1E47P, 0D1E4J4, 0D1E4JE, 0D1E4JP, 0D1E4K4, 0D1E4KE, 0D1E4KP, 0D1E4Z4, 0D1E4ZE, 0D1E4ZP, 0D1E874, 0D1E87E, 0D1E87P, 0D1E8J4, 0D1E8JE, 0D1E8JP, 0D1E8K4, 0D1E8KE, 0D1E8KP, 0D1E8Z4, 0D1E8ZE, 0D1E8ZP, 0D1H074, 0D1H07H, 0D1H07K, 0D1H07L, 0D1H07M, 0D1H07N, 0D1H07P, 0D1H0J4, 0D1H0JH, 0D1H0JK, 0D1H0JL, 0D1H0JM, 0D1H0JN, 0D1H0JP, 0D1H0K4, 0D1H0KH, 0D1H0KK, 0D1H0KL, 0D1H0KM, 0D1H0KN, 0D1H0KP, 0D1H0Z4, 0D1H0ZH, 0D1H0ZK, 0D1H0ZL, 0D1H0ZM, 0D1H0ZN, 0D1H0ZP, 0D1H3J4, 0D1H474, 0D1H47H, 0D1H47K, 0D1H47L, 0D1H47M, 0D1H47N, 0D1H47P, 0D1H4J4, 0D1H4JH, 0D1H4JK, 0D1H4JL, 0D1H4JM, 0D1H4JN, 0D1H4JP, 0D1H4K4, 0D1H4KH, 0D1H4KK, 0D1H4KL, 0D1H4KM, 0D1H4KN, 0D1H4KP, 0D1H4Z4, 0D1H4ZH, 0D1H4ZK, 0D1H4ZL,		

#	Condition or category	MDC #	DX #	Med surg	CMS index used	MS-DRGs		ICD-10 procedure codes		ICD-10 diagnosis codes
								0D1H4ZM, 0D1H4ZN, 0D1H4ZP, 0D1H874, 0D1H87H, 0D1H87K, 0D1H87L, 0D1H87M, 0D1H87N, 0D1H87P, 0D1H8J4, 0D1H8JH, 0D1H8JK, 0D1H8JL, 0D1H8JM, 0D1H8JN, 0D1H8JP, 0D1H8K4, 0D1H8KH, 0D1H8KK, 0D1H8KL, 0D1H8KM, 0D1H8KN, 0D1H8KP, 0D1H8Z4, 0D1H8ZH, 0D1H8ZK, 0D1H8ZL, 0D1H8ZM, 0D1H8ZN, 0D1H8ZP, 0D1K074, 0D1K07K, 0D1K07L, 0D1K07M, 0D1K07N, 0D1K07P, 0D1K0J4, 0D1K0JK, 0D1K0JL, 0D1K0JM, 0D1K0JN, 0D1K0JP, 0D1K0K4, 0D1K0KK, 0D1K0KL, 0D1K0KM, 0D1K0KN, 0D1K0KP, 0D1K0Z4, 0D1K0ZK, 0D1K0ZL, 0D1K0ZM, 0D1K0ZN, 0D1K0ZP, 0D1K3J4, 0D1K474, 0D1K47K, 0D1K47L, 0D1K47M, 0D1K47N, 0D1K47P, 0D1K4J4, 0D1K4JK, 0D1K4JL, 0D1K4JM, 0D1K4JN, 0D1K4JP, 0D1K4K4, 0D1K4KK, 0D1K4KL, 0D1K4KM, 0D1K4KN, 0D1K4KP, 0D1K4Z4, 0D1K4ZK, 0D1K4ZL, 0D1K4ZM, 0D1K4ZN, 0D1K4ZP, 0D1K874, 0D1K87K, 0D1K87L, 0D1K87M, 0D1K87N, 0D1K87P, 0D1K8J4, 0D1K8JK, 0D1K8JL, 0D1K8JM, 0D1K8JN, 0D1K8JP, 0D1K8K4, 0D1K8KK, 0D1K8KL, 0D1K8KM, 0D1K8KN, 0D1K8KP, 0D1K8Z4, 0D1K8ZK, 0D1K8ZL, 0D1K8ZM, 0D1K8ZN, 0D1K8ZP, 0D1L074, 0D1L07L, 0D1L07M, 0D1L07N, 0D1L07P, 0D1L0J4, 0D1L0JL, 0D1L0JM, 0D1L0JN, 0D1L0JP, 0D1L0K4, 0D1L0KL, 0D1L0KM, 0D1L0KN, 0D1L0KP, 0D1L0Z4, 0D1L0ZL, 0D1L0ZM, 0D1L0ZN, 0D1L0ZP, 0D1L3J4, 0D1L474, 0D1L47L, 0D1L47M, 0D1L47N, 0D1L47P, 0D1L4J4, 0D1L4JL, 0D1L4JM, 0D1L4JN, 0D1L4JP, 0D1L4K4, 0D1L4KL, 0D1L4KM, 0D1L4KN, 0D1L4KP, 0D1L4Z4, 0D1L4ZL, 0D1L4ZM, 0D1L4ZN, 0D1L4ZP, 0D1L874, 0D1L87L, 0D1L87M, 0D1L87N, 0D1L87P, 0D1L8J4, 0D1L8JL, 0D1L8JM, 0D1L8JN, 0D1L8JP, 0D1L8K4, 0D1L8KL, 0D1L8KM, 0D1L8KN, 0D1L8KP, 0D1L8Z4, 0D1L8ZL, 0D1L8ZM, 0D1L8ZN, 0D1L8ZP, 0D1M074, 0D1M07M, 0D1M07N, 0D1M07P, 0D1M0J4, 0D1M0JM, 0D1M0JN, 0D1M0JP, 0D1M0K4, 0D1M0KM, 0D1M0KN, 0D1M0KP, 0D1M0Z4, 0D1M0ZM, 0D1M0ZN, 0D1M0ZP, 0D1M3J4, 0D1M474, 0D1M47M, 0D1M47N, 0D1M47P, 0D1M4J4, 0D1M4JM, 0D1M4JN, 0D1M4JP, 0D1M4K4, 0D1M4KM, 0D1M4KN, 0D1M4KP, 0D1M4Z4, 0D1M4ZM, 0D1M4ZN, 0D1M4ZP, 0D1M874, 0D1M87M, 0D1M87N, 0D1M87P, 0D1M8J4, 0D1M8JM, 0D1M8JN, 0D1M8JP, 0D1M8K4, 0D1M8KM, 0D1M8KN, 0D1M8KP, 0D1M8Z4, 0D1M8ZM, 0D1M8ZN, 0D1M8ZP, 0D1N074, 0D1N07N, 0D1N07P, 0D1N0J4, 0D1N0JN, 0D1N0JP, 0D1N0K4, 0D1N0KN, 0D1N0KP, 0D1N0Z4, 0D1N0ZN, 0D1N0ZP, 0D1N3J4, 0D1N474, 0D1N47N, 0D1N47P, 0D1N4J4, 0D1N4JN, 0D1N4JP, 0D1N4K4, 0D1N4KN, 0D1N4KP, 0D1N4Z4, 0D1N4ZN, 0D1N4ZP, 0D1N874, 0D1N87N, 0D1N87P, 0D1N8J4, 0D1N8JN, 0D1N8JP, 0D1N8K4, 0D1N8KN, 0D1N8KP, 0D1N8Z4, 0D1N8ZN, 0D1N8ZP, 0D7E0ZZ, 0D7E3ZZ, 0D7E4ZZ, 0D7F0ZZ, 0D7F3ZZ, 0D7F4ZZ, 0D7G0ZZ, 0D7G3ZZ, 0D7G4ZZ, 0D7H0ZZ, 0D7H3ZZ, 0D7H4ZZ, 0D7K0ZZ, 0D7K3ZZ, 0D7K4ZZ, 0D7L0ZZ, 0D7L3ZZ, 0D7L4ZZ, 0D7M0ZZ, 0D7M3ZZ, 0D7M4ZZ, 0D7N0ZZ, 0D7N3ZZ, 0D7N4ZZ, 0D7P0DZ, 0D7P0ZZ, 0D7P3DZ, 0D7P3ZZ, 0D7P4DZ, 0D7P4ZZ, 0D9P00Z, 0D9P40Z, 0DBE0ZZ, 0DBE3ZZ, 0DBE4ZZ, 0DBF0ZZ, 0DBF3ZZ, 0DBF4ZZ, 0DBG0ZZ, 0DBG3ZZ, 0DBG4ZZ, 0DBH0ZZ, 0DBH3ZZ, 0DBH4ZZ, 0DBK0ZZ, 0DBK3ZZ, 0DBK4ZZ, 0DBL0ZZ, 0DBL3ZZ, 0DBL4ZZ, 0DBM0ZZ, 0DBM3ZZ, 0DBM4ZZ,		

#	Condition or category	MDC #	DX #	Med surg	CMS index used	MS-DRGs		ICD-10 procedure codes		ICD-10 diagnosis codes
								0DBN0ZZ, 0DBN3ZZ, 0DBN4ZZ, 0DFE0ZZ, 0DFE3ZZ, 0DFE4ZZ, 0DFE7ZZ, 0DFE8ZZ, 0DFF0ZZ, 0DFF3ZZ, 0DFF4ZZ, 0DFF7ZZ, 0DFF8ZZ, 0DFG0ZZ, 0DFG3ZZ, 0DFG4ZZ, 0DFG7ZZ, 0DFG8ZZ, 0DFH0ZZ, 0DFH3ZZ, 0DFH4ZZ, 0DFH7ZZ, 0DFH8ZZ, 0DFK0ZZ, 0DFK3ZZ, 0DFK4ZZ, 0DFK7ZZ, 0DFK8ZZ, 0DFL0ZZ, 0DFL3ZZ, 0DFL4ZZ, 0DFL7ZZ, 0DFL8ZZ, 0DFM0ZZ, 0DFM3ZZ, 0DFM4ZZ, 0DFM7ZZ, 0DFM8ZZ, 0DFN0ZZ, 0DFN3ZZ, 0DFN4ZZ, 0DFN7ZZ, 0DFN8ZZ, 0DLE0CZ, 0DLE0DZ, 0DLE0ZZ, 0DLE3CZ, 0DLE3DZ, 0DLE3ZZ, 0DLE4CZ, 0DLE4DZ, 0DLE4ZZ, 0DLE7DZ, 0DLE7ZZ, 0DLE8DZ, 0DLE8ZZ, 0DLF0CZ, 0DLF0DZ, 0DLF0ZZ, 0DLF3CZ, 0DLF3DZ, 0DLF3ZZ, 0DLF4CZ, 0DLF4DZ, 0DLF4ZZ, 0DLF7DZ, 0DLF7ZZ, 0DLF8DZ, 0DLF8ZZ, 0DLG0CZ, 0DLG0DZ, 0DLG0ZZ, 0DLG3CZ, 0DLG3DZ, 0DLG3ZZ, 0DLG4CZ, 0DLG4DZ, 0DLG4ZZ, 0DLG7DZ, 0DLG7ZZ, 0DLG8DZ, 0DLG8ZZ, 0DLH0CZ, 0DLH0DZ, 0DLH0ZZ, 0DLH3CZ, 0DLH3DZ, 0DLH3ZZ, 0DLH4CZ, 0DLH4DZ, 0DLH4ZZ, 0DLH7DZ, 0DLH7ZZ, 0DLH8DZ, 0DLH8ZZ, 0DLK0CZ, 0DLK0DZ, 0DLK0ZZ, 0DLK3CZ, 0DLK3DZ, 0DLK3ZZ, 0DLK4CZ, 0DLK4DZ, 0DLK4ZZ, 0DLK7DZ, 0DLK7ZZ, 0DLK8DZ, 0DLK8ZZ, 0DLL0CZ, 0DLL0DZ, 0DLL0ZZ, 0DLL3CZ, 0DLL3DZ, 0DLL3ZZ, 0DLL4CZ, 0DLL4DZ, 0DLL4ZZ, 0DLL7DZ, 0DLL7ZZ, 0DLL8DZ, 0DLL8ZZ, 0DLM0CZ, 0DLM0DZ, 0DLM0ZZ, 0DLM3CZ, 0DLM3DZ, 0DLM3ZZ, 0DLM4CZ, 0DLM4DZ, 0DLM4ZZ, 0DLM7DZ, 0DLM7ZZ, 0DLM8DZ, 0DLM8ZZ, 0DLN0CZ, 0DLN0DZ, 0DLN0ZZ, 0DLN3CZ, 0DLN3DZ, 0DLN3ZZ, 0DLN4CZ, 0DLN4DZ, 0DLN4ZZ, 0DLN7DZ, 0DLN7ZZ, 0DLN8DZ, 0DLN8ZZ, 0DME0ZZ, 0DME4ZZ, 0DMF0ZZ, 0DMF4ZZ, 0DMG0ZZ, 0DMG4ZZ, 0DMH0ZZ, 0DMH4ZZ, 0DMK0ZZ, 0DMK4ZZ, 0DML0ZZ, 0DML4ZZ, 0DMM0ZZ, 0DMM4ZZ, 0DMN0ZZ, 0DMN4ZZ, 0DMP0ZZ, 0DMP4ZZ, 0DQE0ZZ, 0DQE3ZZ, 0DQE4ZZ, 0DQE7ZZ, 0DQE8ZZ, 0DQF0ZZ, 0DQF3ZZ, 0DQF4ZZ, 0DQF7ZZ, 0DQF8ZZ, 0DQG0ZZ, 0DQG3ZZ, 0DQG4ZZ, 0DQG7ZZ, 0DQG8ZZ, 0DQH0ZZ, 0DQH3ZZ, 0DQH4ZZ, 0DQH7ZZ, 0DQH8ZZ, 0DQK0ZZ, 0DQK3ZZ, 0DQK4ZZ, 0DQK7ZZ, 0DQK8ZZ, 0DQL0ZZ, 0DQL3ZZ, 0DQL4ZZ, 0DQL7ZZ, 0DQL8ZZ, 0DQM0ZZ, 0DQM3ZZ, 0DQM4ZZ, 0DQM7ZZ, 0DQM8ZZ, 0DQN0ZZ, 0DQN3ZZ, 0DQN4ZZ, 0DQN7ZZ, 0DQN8ZZ, 0DQP0ZZ, 0DQP3ZZ, 0DQP4ZZ, 0DQP7ZZ, 0DQP8ZZ, 0DSE0ZZ, 0DSE4ZZ, 0DSE7ZZ, 0DSE8ZZ, 0DSH0ZZ, 0DSH4ZZ, 0DSH7ZZ, 0DSH8ZZ, 0DSP0ZZ, 0DSP4ZZ, 0DSP7ZZ, 0DSP8ZZ, 0DTE0ZZ, 0DTE4ZZ, 0DTE7ZZ, 0DTE8ZZ, 0DTF0ZZ, 0DTF4ZZ, 0DTF7ZZ, 0DTF8ZZ, 0DTG0ZZ, 0DTG4ZZ, 0DTG7ZZ, 0DTG8ZZ, 0DTGFZZ, 0DTH0ZZ, 0DTH4ZZ, 0DTH7ZZ, 0DTH8ZZ, 0DTK0ZZ, 0DTK4ZZ, 0DTK7ZZ, 0DTK8ZZ, 0DTL0ZZ, 0DTL4ZZ, 0DTL7ZZ, 0DTL8ZZ, 0DTLFZZ, 0DTM0ZZ, 0DTM4ZZ, 0DTM7ZZ, 0DTM8ZZ, 0DTMFZZ, 0DTN0ZZ, 0DTN4ZZ, 0DTN7ZZ, 0DTN8ZZ, 0DTNFZZ, 0DUE07Z, 0DUE0JZ, 0DUE0KZ, 0DUE47Z, 0DUE4JZ, 0DUE4KZ, 0DUE77Z, 0DUE7JZ, 0DUE7KZ, 0DUE87Z, 0DUE8JZ, 0DUE8KZ, 0DUF07Z, 0DUF0JZ, 0DUF0KZ, 0DUF47Z, 0DUF4JZ, 0DUF4KZ, 0DUF77Z, 0DUF7JZ, 0DUF7KZ, 0DUF87Z, 0DUF8JZ, 0DUF8KZ, 0DUG07Z, 0DUG0JZ, 0DUG0KZ, 0DUG47Z, 0DUG4JZ, 0DUG4KZ, 0DUG77Z, 0DUG7JZ, 0DUG7KZ, 0DUG87Z, 0DUG8JZ, 0DUG8KZ, 0DUH07Z, 0DUH0JZ, 0DUH0KZ,		

#	Condition or category	MDC #	DX #	Med surg	CMS index used	MS-DRGs		ICD-10 procedure codes		ICD-10 diagnosis codes
								0DUH47Z, 0DUH4JZ, 0DUH4KZ, 0DUH77Z, 0DUH7JZ, 0DUH7KZ, 0DUH87Z, 0DUH8JZ, 0DUH8KZ, 0DUK07Z, 0DUK0JZ, 0DUK0KZ, 0DUK47Z, 0DUK4JZ, 0DUK4KZ, 0DUK77Z, 0DUK7JZ, 0DUK7KZ, 0DUK87Z, 0DUK8JZ, 0DUK8KZ, 0DUL07Z, 0DUL0JZ, 0DUL0KZ, 0DUL47Z, 0DUL4JZ, 0DUL4KZ, 0DUL77Z, 0DUL7JZ, 0DUL7KZ, 0DUL87Z, 0DUL8JZ, 0DUL8KZ, 0DUM07Z, 0DUM0JZ, 0DUM0KZ, 0DUM47Z, 0DUM4JZ, 0DUM4KZ, 0DUM77Z, 0DUM7JZ, 0DUM7KZ, 0DUM87Z, 0DUM8JZ, 0DUM8KZ, 0DUN07Z, 0DUN0JZ, 0DUN0KZ, 0DUN47Z, 0DUN4JZ, 0DUN4KZ, 0DUN77Z, 0DUN7JZ, 0DUN7KZ, 0DUN87Z, 0DUN8JZ, 0DUN8KZ, 0DVE0CZ, 0DVE0DZ, 0DVE0ZZ, 0DVE3CZ, 0DVE3DZ, 0DVE3ZZ, 0DVE4CZ, 0DVE4DZ, 0DVE4ZZ, 0DVE7DZ, 0DVE7ZZ, 0DVE8DZ, 0DVE8ZZ, 0DVF0CZ, 0DVF0DZ, 0DVF0ZZ, 0DVF3CZ, 0DVF3DZ, 0DVF3ZZ, 0DVF4CZ, 0DVF4DZ, 0DVF4ZZ, 0DVF7DZ, 0DVF7ZZ, 0DVF8DZ, 0DVF8ZZ, 0DVG0CZ, 0DVG0DZ, 0DVG0ZZ, 0DVG3CZ, 0DVG3DZ, 0DVG3ZZ, 0DVG4CZ, 0DVG4DZ, 0DVG4ZZ, 0DVG7DZ, 0DVG7ZZ, 0DVG8DZ, 0DVG8ZZ, 0DVH0CZ, 0DVH0DZ, 0DVH0ZZ, 0DVH3CZ, 0DVH3DZ, 0DVH3ZZ, 0DVH4CZ, 0DVH4DZ, 0DVH4ZZ, 0DVH7DZ, 0DVH7ZZ, 0DVH8DZ, 0DVH8ZZ, 0DVK0CZ, 0DVK0DZ, 0DVK0ZZ, 0DVK3CZ, 0DVK3DZ, 0DVK3ZZ, 0DVK4CZ, 0DVK4DZ, 0DVK4ZZ, 0DVK7DZ, 0DVK7ZZ, 0DVK8DZ, 0DVK8ZZ, 0DVL0CZ, 0DVL0DZ, 0DVL0ZZ, 0DVL3CZ, 0DVL3DZ, 0DVL3ZZ, 0DVL4CZ, 0DVL4DZ, 0DVL4ZZ, 0DVL7DZ, 0DVL7ZZ, 0DVL8DZ, 0DVL8ZZ, 0DVM0CZ, 0DVM0DZ, 0DVM0ZZ, 0DVM3CZ, 0DVM3DZ, 0DVM3ZZ, 0DVM4CZ, 0DVM4DZ, 0DVM4ZZ, 0DVM7DZ, 0DVM7ZZ, 0DVM8DZ, 0DVM8ZZ, 0DVN0CZ, 0DVN0DZ, 0DVN0ZZ, 0DVN3CZ, 0DVN3DZ, 0DVN3ZZ, 0DVN4CZ, 0DVN4DZ, 0DVN4ZZ, 0DVN7DZ, 0DVN7ZZ, 0DVN8DZ, 0DVN8ZZ, 0DWE07Z, 0DWE0JZ, 0DWE0KZ, 0DWE47Z, 0DWE4JZ, 0DWE4KZ, 0DWE77Z, 0DWE7JZ, 0DWE7KZ, 0DWE87Z, 0DWE8JZ, 0DWE8KZ		
25	**Gall bladder removal, laparoscopic**	7	66	Surg	CMS HAI index Hosp_Wide Readmit HCAHPS	417, 418, 419	**and**	0FT44ZZ, 0FB44ZZ, 0FB48ZZ, 0F544ZZ, 0F548ZZ		

Appendix 2: Conditions and procedures with Cigna Healthcare Hospital Quality Index component index weights

Condition or procedure description	Mortality weight	CMS HAI weight	Complication weight	Leapfrog weight	CMS readmit weight	Primary C-section delivery weight	CMS early delivery weight	CMS HCAHPS weight
Hysterectomy	0.00	0.25	0.60	0.05	0.05	0.00	0.00	0.05
Angioplasty, with and without stent	0.00	0.25	0.60	0.05	0.05	0.00	0.00	0.05
Cancer conditions	0.00	0.25	0.60	0.05	0.05	0.00	0.00	0.05
Cardiac catheterization and angioplasty	0.00	0.25	0.60	0.05	0.05	0.00	0.00	0.05
Cardiac catheterization	0.00	0.00	0.90	0.05	0.00	0.00	0.00	0.05
Cesarean section	0.00	0.10	0.60	0.05	0.00	0.00	0.20	0.05
Colon surgery	0.00	0.25	0.60	0.05	0.05	0.00	0.00	0.05
COPD	0.00	0.00	0.90	0.05	0.00	0.00	0.00	0.05
Coronary artery bypass surgery	0.00	0.25	0.60	0.05	0.05	0.00	0.00	0.05
Deliveries	0.00	0.10	0.60	0.05	0.00	0.00	0.20	0.05
Disc surgery	0.00	0.25	0.60	0.05	0.05	0.00	0.00	0.05
Gall bladder removal, laparoscopic	0.00	0.25	0.60	0.05	0.05	0.00	0.00	0.05
Heart surgery	0.30	0.25	0.30	0.05	0.05	0.00	0.00	0.05
Heart valve replacement	0.30	0.25	0.30	0.05	0.05	0.00	0.00	0.05
Hip replacement	0.00	0.25	0.60	0.05	0.05	0.00	0.00	0.05
Joint replacement	0.00	0.25	0.60	0.05	0.05	0.00	0.00	0.05
Knee replacement	0.00	0.25	0.60	0.05	0.05	0.00	0.00	0.05
Mastectomy, total or simple	0.00	0.25	0.60	0.05	0.05	0.00	0.00	0.05
Orthopedic back surgery	0.00	0.25	0.60	0.05	0.05	0.00	0.00	0.05
Pneumonia	0.60	0.15	0.00	0.05	0.15	0.00	0.00	0.05
Prostatectomy, radical	0.00	0.25	0.60	0.05	0.05	0.00	0.00	0.05
Pulmonology medical	0.60	0.15	0.00	0.05	0.15	0.00	0.00	0.05
Spinal fusion	0.00	0.25	0.60	0.05	0.05	0.00	0.00	0.05
Vaginal delivery	0.00	0.00	0.55	0.05	0.00	0.15	0.20	0.05